


# Anti-beta Catenin antibody [SP328] - BSA and Azide free ab242424

KO 評価済 リコンビナント RabMAb

画像数 30

### 製品の概要

製品名	Anti-beta Catenin antibody [SP328] - BSA and Azide free
製品の詳細	Rabbit monoclonal [SP328] to beta Catenin - BSA and Azide free
由来種	Rabbit
アプリケーション	適用あり: IHC-P, Flow Cyt (Intra), WB, ICC/IF
種交差性	交差種: Mouse, Rat, Human 交差が予測される動物種: Cow, Dog 
免疫原	Synthetic peptide within Human beta Catenin (C terminal). The exact sequence is proprietary. Database link: <a href="#">P35222</a>
ポジティブ・コントロール	IHC-P: Human breast ductal carcinoma, breast, bladder, bladder transitional carcinoma, stomach, colon, colon adenocarcinoma, kidney, renal cell carcinoma, liver, hepatocellular carcinoma, lung, lung squamous cell carcinoma, lung adenocarcinoma, ovary, ovary adenocarcinoma, prostate, prostate adenocarcinoma and stomach adenocarcinoma tissues. WB: HEK-293, Wild-type MCF7 and HeLa cell lysates. Flow Cyt (Intra): HEK-293, HeLa, NIH/3T3 and C6 cells. ICC/IF: HeLa and C6 cells.
特記事項	<p>ab242424 is the carrier-free version of <a href="#">ab224803</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> </ul>

- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

**This product is FOR RESEARCH USE ONLY. For commercial use, please contact [partnerships@abcam.com](mailto:partnerships@abcam.com).**

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

## 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.20 Constituent: PBS
キャリア・フリー	はい
精製度	Protein A/G purified
特記事項(精製)	Purified from TCS by protein A/G.
ポリ/モノ	モノクローナル
クローン名	SP328
アイソタイプ	IgG

## アプリケーション

**The Abpromise guarantee**      **Abpromise保証は、次のテスト済みアプリケーションにおけるab242424の使用に適用されます**  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Primary incubation for 10 minutes at room temperature.
Flow Cyt (Intra)		Use at an assay dependent concentration. Primary incubation for 30 minutes at 4°C
WB		Use at an assay dependent concentration. Predicted molecular weight: 85 kDa.
ICC/IF		Use at an assay dependent concentration.

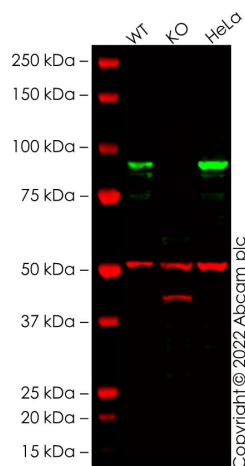
## ターゲット情報

---

<b>機能</b>	<p>Key downstream component of the canonical Wnt signaling pathway. In the absence of Wnt, forms a complex with AXIN1, AXIN2, APC, CSNK1A1 and GSK3B that promotes phosphorylation on N-terminal Ser and Thr residues and ubiquitination of CTNNB1 via BTRC and its subsequent degradation by the proteasome. In the presence of Wnt ligand, CTNNB1 is not ubiquitinated and accumulates in the nucleus, where it acts as a coactivator for transcription factors of the TCF/LEF family, leading to activate Wnt responsive genes.</p> <p>Involved in the regulation of cell adhesion. The majority of beta-catenin is localized to the cell membrane and is part of E-cadherin/catenin adhesion complexes which are proposed to couple cadherins to the actin cytoskeleton.</p>
<b>組織特異性</b>	<p>Expressed in several hair follicle cell types: basal and peripheral matrix cells, and cells of the outer and inner root sheaths. Expressed in colon.</p>
<b>関連疾患</b>	<p>Defects in CTNNB1 are associated with colorectal cancer (CRC) [MIM:114500].</p> <p>Note=Activating mutations in CTNNB1 have oncogenic activity resulting in tumor development. Somatic mutations are found in various tumor types, including colon cancers, ovarian and prostate carcinomas, hepatoblastoma (HB), hepatocellular carcinoma (HCC). HBs are malignant embryonal tumors mainly affecting young children in the first three years of life.</p> <p>Defects in CTNNB1 are a cause of pilomatixoma (PTR) [MIM:132600]; a common benign skin tumor.</p> <p>Defects in CTNNB1 are a cause of medulloblastoma (MDB) [MIM:155255]. MDB is a malignant, invasive embryonal tumor of the cerebellum with a preferential manifestation in children.</p> <p>Defects in CTNNB1 are a cause of susceptibility to ovarian cancer (OC) [MIM:167000]. Ovarian cancer common malignancy originating from ovarian tissue. Although many histologic types of ovarian neoplasms have been described, epithelial ovarian carcinoma is the most common form. Ovarian cancers are often asymptomatic and the recognized signs and symptoms, even of late-stage disease, are vague. Consequently, most patients are diagnosed with advanced disease.</p> <p>Note=A chromosomal aberration involving CTNNB1 is found in salivary gland pleiomorphic adenomas, the most common benign epithelial tumors of the salivary gland. Translocation t(3;8)(p21;q12) with PLAG1.</p>
<b>配列類似性</b>	<p>Belongs to the beta-catenin family.</p> <p>Contains 12 ARM repeats.</p>
<b>翻訳後修飾</b>	<p>Phosphorylation by GSK3B requires prior phosphorylation of Ser-45 by another kinase. Phosphorylation proceeds then from Thr-41 to Ser-37 and Ser-33.</p> <p>EGF stimulates tyrosine phosphorylation. Phosphorylation on Tyr-654 decreases CDH1 binding and enhances TBP binding.</p> <p>Ubiquitinated by the SCF(BTRC) E3 ligase complex when phosphorylated by GSK3B, leading to its degradation. Ubiquitinated by a E3 ubiquitin ligase complex containing UBE2D1, SIAH1, CACYBP/SIP, SKP1, APC and TBL1X, leading to its subsequent proteasomal degradation.</p>
<b>細胞内局在</b>	<p>Cytoplasm. Nucleus. Cytoplasm &gt; cytoskeleton. Cell junction &gt; adherens junction. Cell junction. Cell membrane. Cytoplasmic when it is unstabilized (high level of phosphorylation) or bound to CDH1. Translocates to the nucleus when it is stabilized (low level of phosphorylation). Interaction with GLIS2 and MUC1 promotes nuclear translocation. Interaction with EMD inhibits nuclear localization.</p>

---

## 画像



Western blot - Anti-beta Catenin antibody [SP328] - BSA and Azide free (ab242424)

**All lanes** : Anti-beta Catenin antibody [SP328] ([ab224803](#)) at 1/400 dilution

**Lane 1** : Wild-type MCF7 cell lysate

**Lane 2** : CTNNB1 knockout MCF7 cell lysate

**Lane 3** : HeLa cell lysate

Lysates/proteins at 20 µg per lane.

### Secondary

**All lanes** : Goat anti-Rabbit IgG H&L 800CW and Goat anti-Mouse IgG H&L 680RD at 1/20000 dilution

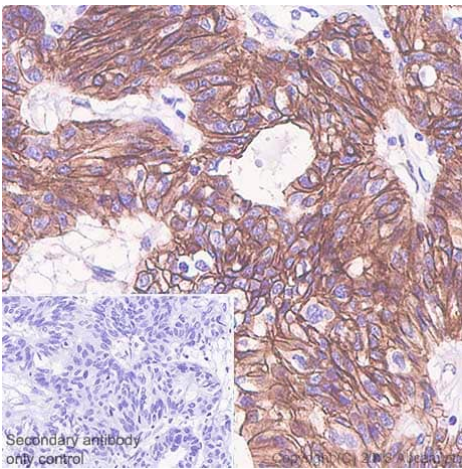
Performed under reducing conditions.

**Predicted band size:** 85 kDa

**Observed band size:** 85/90 kDa

False colour image of Western blot: Anti-beta Catenin antibody [SP328] staining at 1/400 dilution, shown in green; Mouse anti-Alpha Tubulin [DM1A] ([ab7291](#)) loading control staining at 1/20000 dilution, shown in red. In Western blot, [ab224803](#) was shown to bind specifically to beta Catenin. A band was observed at 85/90 kDa in wild-type MCF7 cell lysates with no signal observed at this size in CTNNB1 knockout cell line [ab286762](#). To generate this image, wild-type and CTNNB1 knockout MCF7 cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 3 % milk in TBS-0.1 % Tween<sup>®</sup> 20 (TBS-T) before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Rabbit IgG H&L 800CW and Goat anti-Mouse IgG H&L 680RD at 1/20000 dilution.

This image was generated using [ab224803](#), the same clone, but with a different buffer formulation.

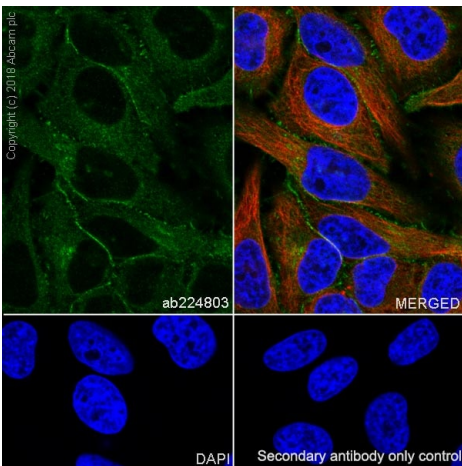


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Catenin antibody [SP328] - BSA and Azide free (ab242424)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human breast carcinoma tissue sections labeling beta Catenin with **ab224803** at 1/100 dilution (1.20 µg/ml). Heat mediated antigen retrieval with sodium Citrate buffer (pH 6.0, epitope retrieval solution 1) for 10mins. Goat Anti-Rabbit & Mouse IgG (HRP) was used as the secondary antibody. Hematoxylin was used as a counterstain. Membranous staining on the human breast carcinoma, performed on a Leica Biosystems BOND™ RX instrument.

The section was incubated with **ab224803** for 10 mins at room temperature.

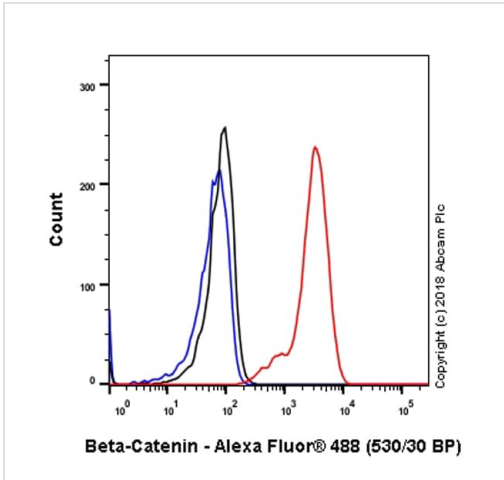
This image was generated using **ab224803**, the same clone, but with a different buffer formulation.



Immunocytochemistry/ Immunofluorescence - Anti-beta Catenin antibody [SP328] - BSA and Azide free (ab242424)

Immunocytochemistry/ Immunofluorescence analysis of HeLa (human cervix adenocarcinoma epithelial cell) cells labeling beta Catenin with purified **ab224803** at 1/10 (9.9 µg/ml). Cells were fixed in 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. Cells were counterstained with **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/ml) dilution. DAPI was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.

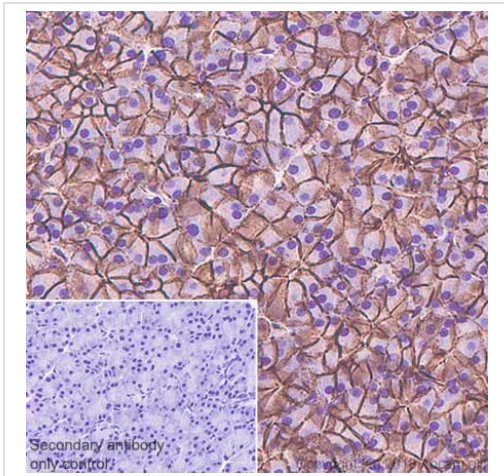
This image was generated using **ab224803**, the same clone, but with a different buffer formulation.



Flow Cytometry (Intracellular) - Anti-beta Catenin antibody [SP328] - BSA and Azide free (ab242424)

Intracellular Flow Cytometry analysis of C6 (rat glial tumor glial cell) labeling beta Catenin with purified **ab224803** at 1/200 dilution (0.495µg/ml) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. Goat anti rabbit IgG (Alexa Fluor®488, **ab150077**) at 1/2000 dilution was used as a secondary antibody. Isotype control - Rabbit monoclonal IgG (**ab172730**) (black). Unlabeled control - Unlabelled cells (blue).

This image was generated using **ab224803**, the same clone, but with a different buffer formulation.

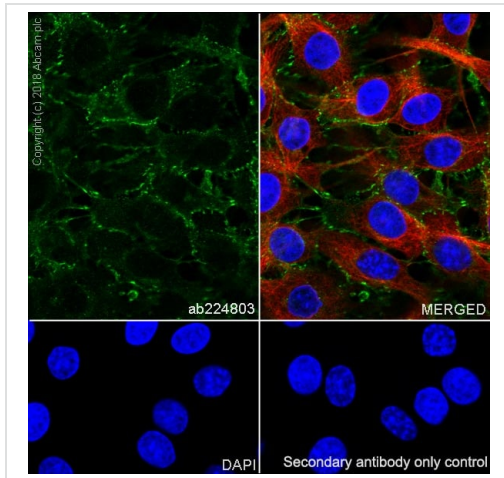


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Catenin antibody [SP328] - BSA and Azide free (ab242424)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Rat pancreas tissue sections labeling beta Catenin with **ab224803** at 1/100 dilution (1.20 µg/ml). Heat mediated antigen retrieval with sodium Citrate buffer (pH 6.0, epitope retrieval solution 1) for 10mins. Goat Anti-Rabbit & Mouse IgG (HRP) was used as the secondary antibody. Hematoxylin was used as a counterstain. Mainly membranous staining on the rat pancreas, performed on a Leica Biosystems BOND™ RX instrument.

The section was incubated with **ab224803** for 10 mins at room temperature.

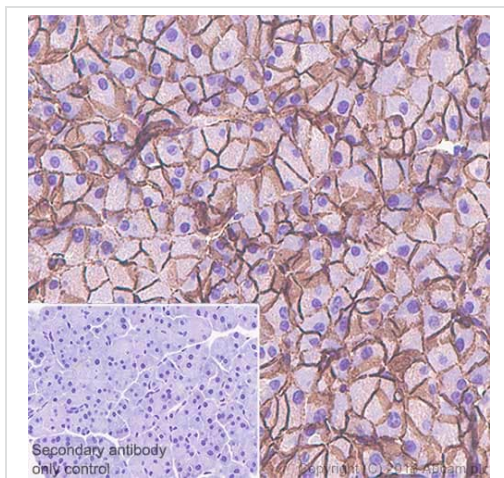
This image was generated using **ab224803**, the same clone, but with a different buffer formulation.



Immunocytochemistry/ Immunofluorescence - Anti-beta Catenin antibody [SP328] - BSA and Azide free (ab242424)

Immunocytochemistry/ Immunofluorescence analysis of C6 (rat glial tumor glial cell) cells labeling beta Catenin with purified **ab224803** at 1/10 (9.9 µg/ml). Cells were fixed in 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. Cells were counterstained with **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/ml) dilution. DAPI was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.

This image was generated using **ab224803**, the same clone, but with a different buffer formulation.

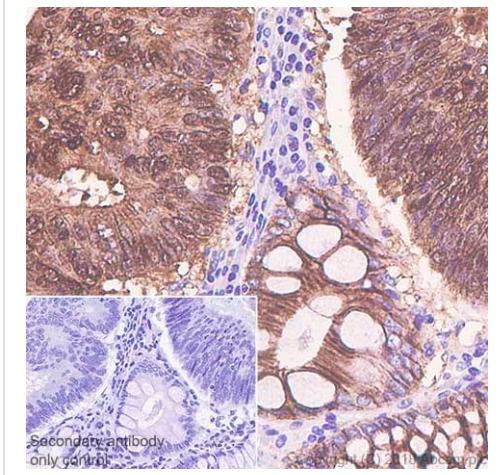


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Catenin antibody [SP328] - BSA and Azide free (ab242424)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Mouse pancreas tissue sections labeling beta Catenin with **ab224803** at 1/100 dilution (1.20 µg/ml). Heat mediated antigen retrieval with sodium Citrate buffer (pH 6.0, epitope retrieval solution 1) for 10mins. Goat Anti-Rabbit & Mouse IgG (HRP) was used as the secondary antibody. Hematoxylin was used as a counterstain. Mainly membranous staining on the mouse pancreas, performed on a Leica Biosystems BOND™ RX instrument.

The section was incubated with **ab224803** for 10 mins at room temperature.

This image was generated using **ab224803**, the same clone, but with a different buffer formulation.

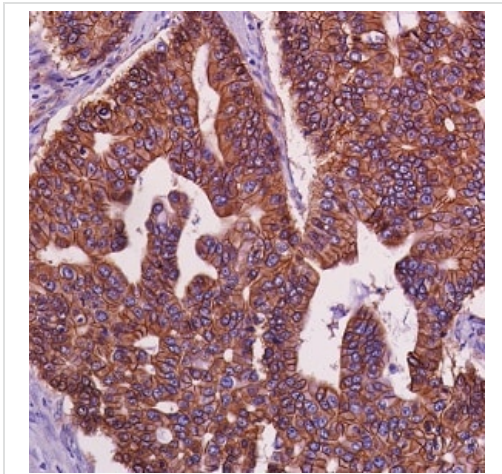


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Catenin antibody [SP328] - BSA and Azide free (ab242424)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human colon carcinoma tissue sections labeling beta Catenin with **ab224803** at 1/100 dilution (1.20 µg/ml). Heat mediated antigen retrieval with sodium Citrate buffer (pH 6.0, epitope retrieval solution 1) for 10mins. Goat Anti-Rabbit & Mouse IgG (HRP) was used as the secondary antibody. Hematoxylin was used as a counterstain. Mainly membranous with nuclear staining on the human colon carcinoma, performed on a Leica Biosystems BOND™ RX instrument.

The section was incubated with **ab224803** for 10 mins at room temperature.

This image was generated using **ab224803**, the same clone, but with a different buffer formulation.

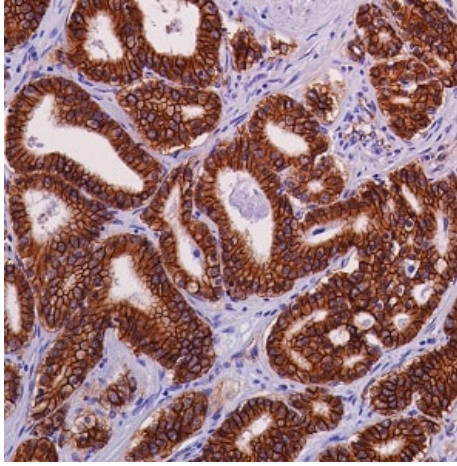


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Catenin antibody [SP328] - BSA and Azide free (ab242424)

Formalin-fixed, paraffin-embedded human stomach adenocarcinoma tissue stained for beta Catenin with **ab224803** at 1/400 dilution in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (**ab224803**).

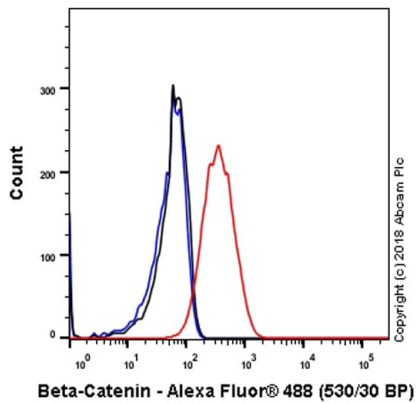




Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Catenin antibody [SP328] - BSA and Azide free (ab242424)

Formalin-fixed, paraffin-embedded human prostate adenocarcinoma tissue stained for beta Catenin with **ab224803** at 1/400 dilution in immunohistochemical analysis.

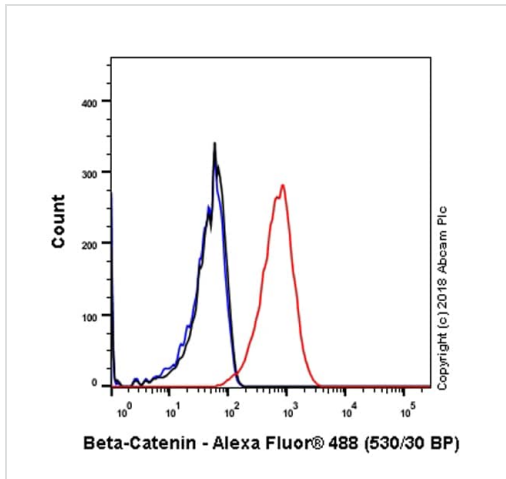
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (**ab224803**).



Flow Cytometry (Intracellular) - Anti-beta Catenin antibody [SP328] - BSA and Azide free (ab242424)

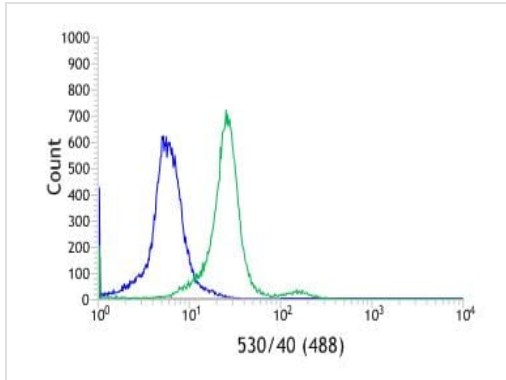
Intracellular Flow Cytometry analysis of NIH/3T3 (mouse embryonic fibroblast) labeling beta Catenin with purified **ab224803** at 1/200 dilution (0.495µg/ml) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. Goat anti rabbit IgG (Alexa Fluor®488, **ab150077**) at 1/2000 dilution was used as a secondary antibody. Isotype control - Rabbit monoclonal IgG (**ab172730**) (black). Unlabeled control -Unlabelled cells (blue).

This image was generated using **ab224803**, the same clone, but with a different buffer formulation.



Flow Cytometry (Intracellular) - Anti-beta Catenin antibody [SP328] - BSA and Azide free (ab242424)

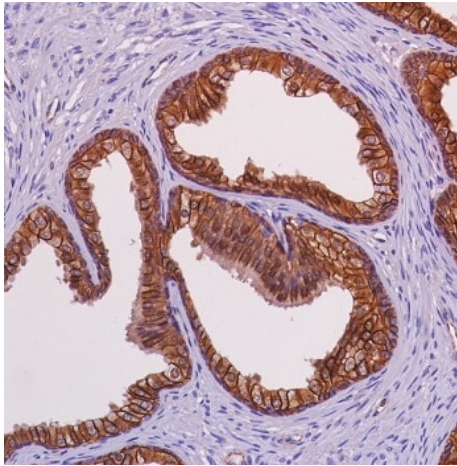
Intracellular Flow Cytometry analysis of HeLa (human cervix adenocarcinoma epithelial cell) labeling beta Catenin with purified **ab224803** at 1/200 dilution (0.495µg/ml) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. Goat anti rabbit IgG (Alexa Fluor®488, **ab150077**) at 1/2000 dilution was used as a secondary antibody. Isotype control - Rabbit monoclonal IgG (**ab172730**) (black). Unlabeled control - Unlabelled cells (blue). This image was generated using **ab224803**, the same clone, but with a different buffer formulation.



Flow Cytometry (Intracellular) - Anti-beta Catenin antibody [SP328] - BSA and Azide free (ab242424)

Intracellular flow cytometric analysis of HEK-293 (human epithelial cell line from embryonic kidney) cell line labeling beta Catenin with **ab224803** at 1/400 dilution (green) compared to a negative control of rabbit IgG (blue).

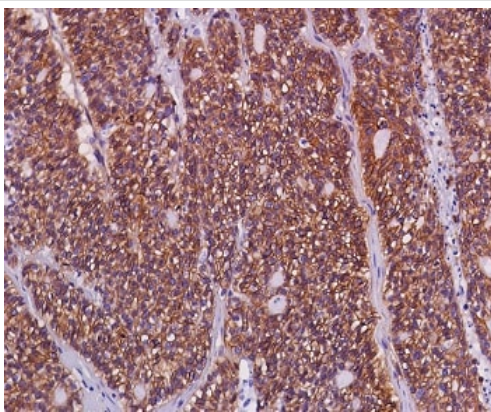
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (**ab224803**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Catenin antibody [SP328] - BSA and Azide free (ab242424)

Formalin-fixed, paraffin-embedded human prostate tissue stained for beta Catenin with **ab224803** at 1/400 dilution in immunohistochemical analysis.

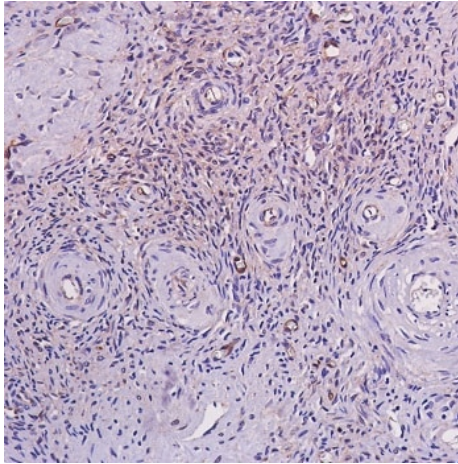
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (**ab224803**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Catenin antibody [SP328] - BSA and Azide free (ab242424)

Formalin-fixed, paraffin-embedded human ovary adenocarcinoma tissue stained for beta Catenin with **ab224803** at 1/400 dilution in immunohistochemical analysis.

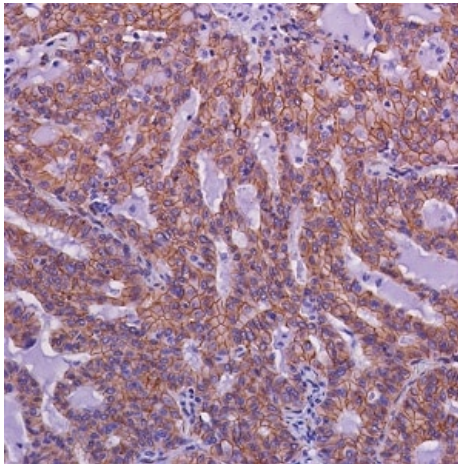
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (**ab224803**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Catenin antibody [SP328] - BSA and Azide free (ab242424)

Formalin-fixed, paraffin-embedded human ovary tissue stained for beta Catenin with **ab224803** at 1/400 dilution in immunohistochemical analysis.

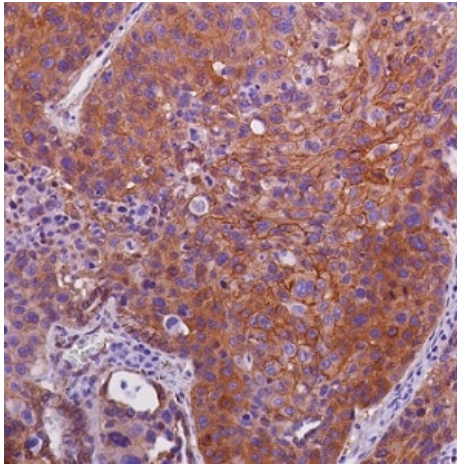
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (**ab224803**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Catenin antibody [SP328] - BSA and Azide free (ab242424)

Formalin-fixed, paraffin-embedded human lung adenocarcinoma tissue stained for beta Catenin with **ab224803** at 1/400 dilution in immunohistochemical analysis.

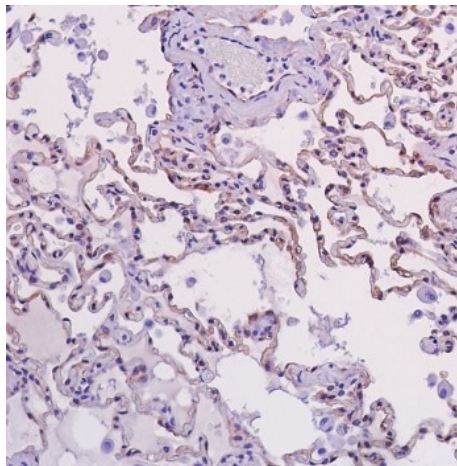
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (**ab224803**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Catenin antibody [SP328] - BSA and Azide free (ab242424)

Formalin-fixed, paraffin-embedded human lung squamous carcinoma tissue stained for beta Catenin with **ab224803** at 1/400 dilution in immunohistochemical analysis.

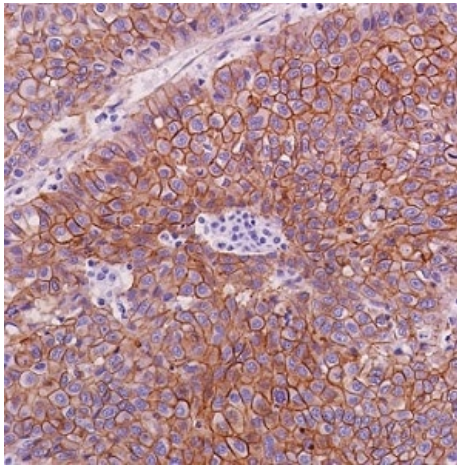
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (**ab224803**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Catenin antibody [SP328] - BSA and Azide free (ab242424)

Formalin-fixed, paraffin-embedded human lung tissue stained for beta Catenin with **ab224803** at 1/400 dilution in immunohistochemical analysis.

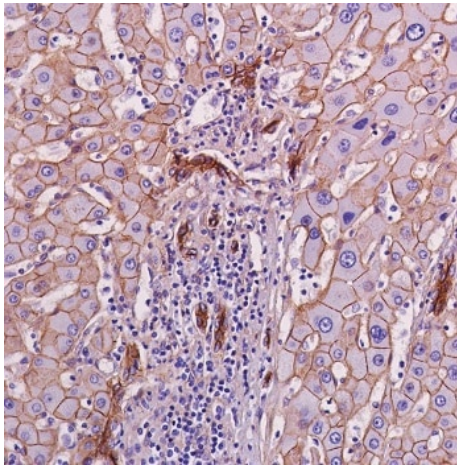
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (**ab224803**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Catenin antibody [SP328] - BSA and Azide free (ab242424)

Formalin-fixed, paraffin-embedded human hepatocellular carcinoma tissue stained for beta Catenin with **ab224803** at 1/400 dilution in immunohistochemical analysis.

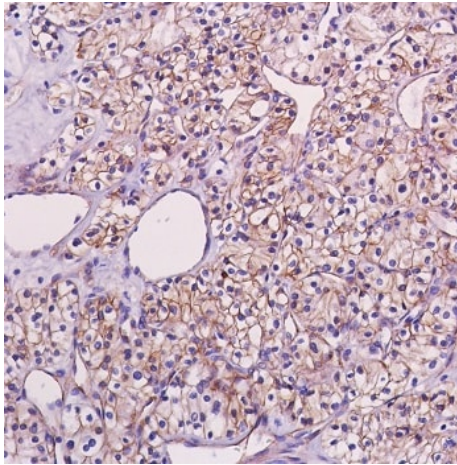
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (**ab224803**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Catenin antibody [SP328] - BSA and Azide free (ab242424)

Formalin-fixed, paraffin-embedded human liver tissue stained for beta Catenin with **ab224803** at 1/400 dilution in immunohistochemical analysis.

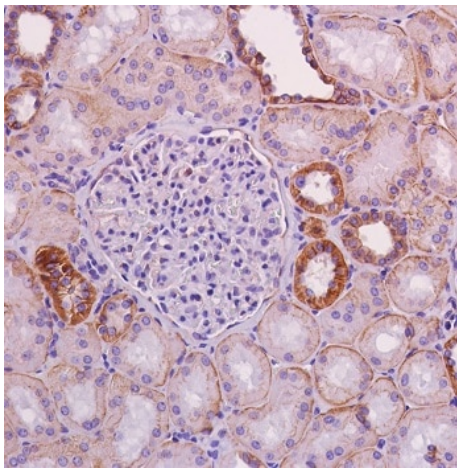
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (**ab224803**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Catenin antibody [SP328] - BSA and Azide free (ab242424)

Formalin-fixed, paraffin-embedded human renal cell carcinoma tissue stained for beta Catenin with **ab224803** at 1/400 dilution in immunohistochemical analysis.

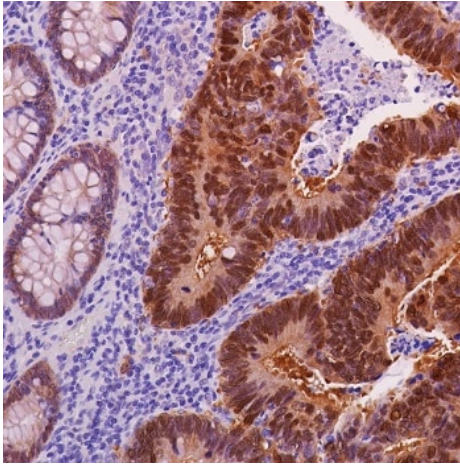
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (**ab224803**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Catenin antibody [SP328] - BSA and Azide free (ab242424)

Formalin-fixed, paraffin-embedded human kidney tissue stained for beta Catenin with **ab224803** at 1/400 dilution in immunohistochemical analysis.

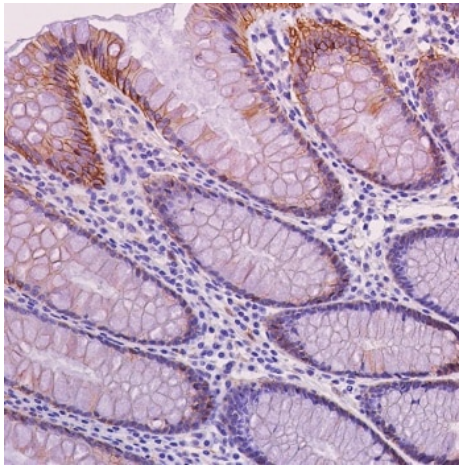
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (**ab224803**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Catenin antibody [SP328] - BSA and Azide free (ab242424)

Formalin-fixed, paraffin-embedded human colon adenocarcinoma tissue stained for beta Catenin with **ab224803** at 1/400 dilution in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (**ab224803**).

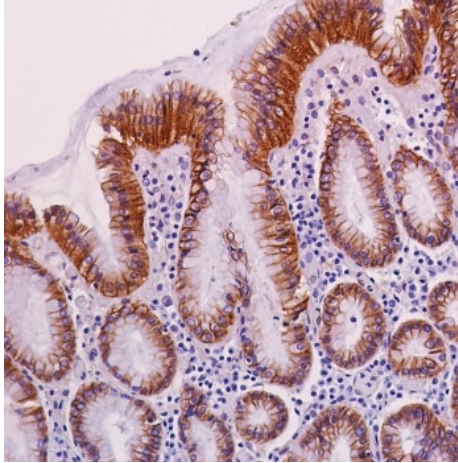


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Catenin antibody [SP328] - BSA and Azide free (ab242424)

Formalin-fixed, paraffin-embedded human colon tissue stained for beta Catenin with **ab224803** at 1/400 dilution in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (**ab224803**).

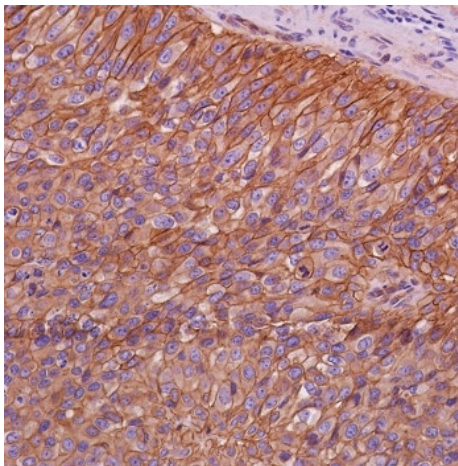




Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Catenin antibody [SP328] - BSA and Azide free (ab242424)

Formalin-fixed, paraffin-embedded human stomach tissue stained for beta Catenin with [ab224803](#) at 1/400 dilution in immunohistochemical analysis.

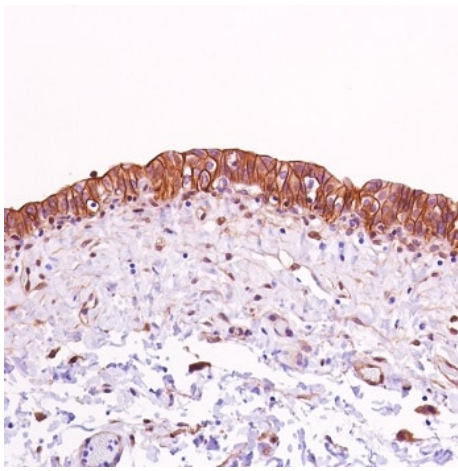
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide ([ab224803](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Catenin antibody [SP328] - BSA and Azide free (ab242424)

Formalin-fixed, paraffin-embedded human bladder transitional carcinoma tissue stained for beta Catenin with [ab224803](#) at 1/400 dilution in immunohistochemical analysis.

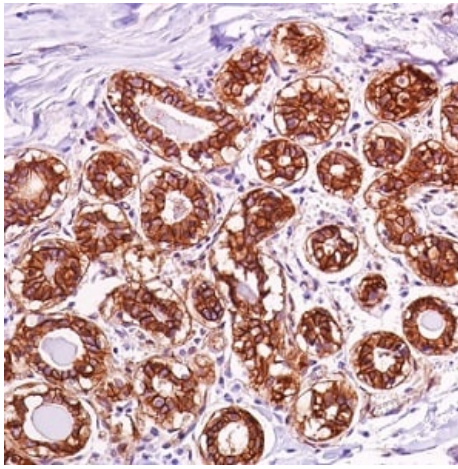
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide ([ab224803](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Catenin antibody [SP328] - BSA and Azide free (ab242424)

Formalin-fixed, paraffin-embedded human bladder tissue stained for beta Catenin with **ab224803** at 1/400 dilution in immunohistochemical analysis.

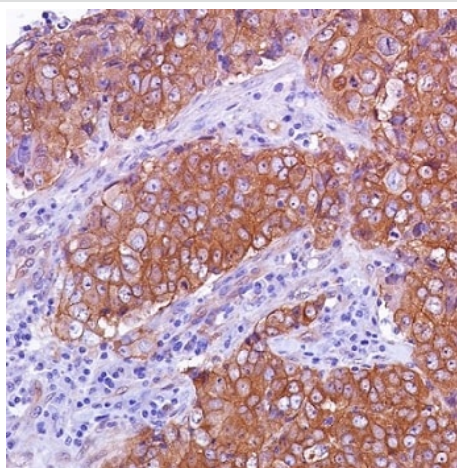
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (**ab224803**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Catenin antibody [SP328] - BSA and Azide free (ab242424)

Formalin-fixed, paraffin-embedded human breast tissue stained for beta Catenin with **ab224803** at 1/400 dilution in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (**ab224803**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Catenin antibody [SP328] - BSA and Azide free (ab242424)

Formalin-fixed, paraffin-embedded human breast ductal carcinoma tissue stained for beta Catenin with **ab224803** at 1/400 dilution in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (**ab224803**).

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

### Our Abpromise to you: Quality guaranteed and expert technical support

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

### Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors