


### Anti-Axin 2 antibody [EPR2005(2)] ab109307

リコンビナント **RabMAb**

★★★★★ **5 Abreviews** **49 References** 画像数 9

#### 製品の概要

製品名	Anti-Axin 2 antibody [EPR2005(2)]
製品の詳細	Rabbit monoclonal [EPR2005(2)] to Axin 2
由来種	Rabbit
アプリケーション	<b>適用あり:</b> ICC/IF, IHC-P, WB
種交差性	<b>交差種:</b> Mouse, Rat, Human <b>交差が予測される動物種:</b> Pig 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: C6, PC-12, NIH/3T3, MCF7, SW480, and PC3 cell lysates. IHC-P: Human lung carcinoma tissue. ICC/IF: LnCap cells.
特記事項	<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> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol, 59% PBS, 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR2005(2)

## アプリケーション

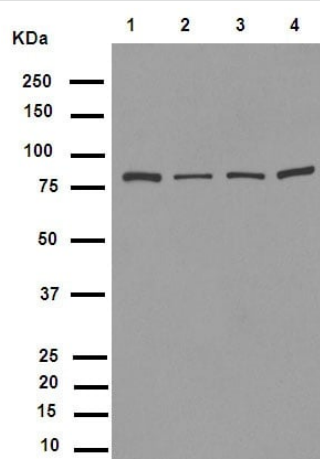
**The Abpromise guarantee** Abpromise保証は、次のテスト済みアプリケーションにおけるab109307の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF	★★★★★ (2)	1/150.
IHC-P	★★★★★ (2)	1/150. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB	★★★★★ (1)	1/1000 - 1/2000. Detects a band of approximately 95 kDa (predicted molecular weight: 94 kDa).

## ターゲット情報

機能	Inhibitor of the Wnt signaling pathway. Down-regulates beta-catenin. Probably facilitate the phosphorylation of beta-catenin and APC by GSK3B.
組織特異性	Expressed in brain and lymphoblast.
関連疾患	Defects in AXIN2 are involved in colorectal cancer (CRC) [MIM:114500]. They appear to be specifically associated with defective mismatch repair. Defects in AXIN2 are the cause of oligodontia-colorectal cancer syndrome (ODCRCS) [MIM:608615]. Affected individuals manifest severe tooth agenesis and colorectal cancer or precancerous lesions of variable types.
配列類似性	Contains 1 DIX domain. Contains 1 RGS domain.
ドメイン	The tankyrase-binding motif (also named TBD) is required for interaction with tankyrase TNKS and TNKS2.
翻訳後修飾	Probably phosphorylated by GSK3B and dephosphorylated by PP2A. ADP-ribosylated by tankyrase TNKS and TNKS2. Poly-ADP-ribosylated protein is recognized by RNF146, followed by ubiquitination and subsequent activation of the Wnt signaling pathway. Ubiquitinated by RNF146 when poly-ADP-ribosylated, leading to its degradation and subsequent activation of the Wnt signaling pathway. Deubiquitinated by USP34, deubiquitinated downstream of beta-catenin stabilization step: deubiquitination is important Wnt signaling to positively regulate beta-catenin (CTNBB1)-mediated transcription.
細胞内局在	Cytoplasm.

## 画像



Western blot - Anti-Axin 2 antibody [EPR2005(2)] (ab109307)

**All lanes :** Anti-Axin 2 antibody [EPR2005(2)] (ab109307) at 1/1000 dilution (unpurified)

**Lane 1 :** SW480 cell lysate

**Lane 2 :** C6 cell lysate

**Lane 3 :** PC-12 cell lysate

**Lane 4 :** NIH/3T3 cell lysate

Lysates/proteins at 20 µg per lane.

### Secondary

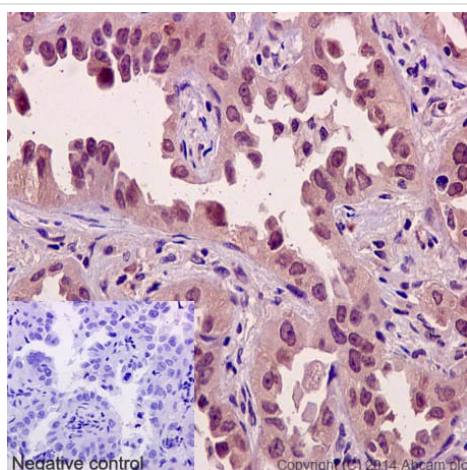
**All lanes :** Peroxidase-conjugated goat anti-rabbit IgG (H+L) at 1/1000 dilution

**Predicted band size:** 94 kDa

**Observed band size:** 94 kDa

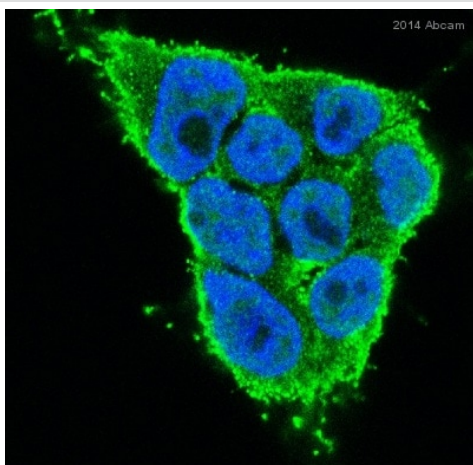
Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Axin 2 antibody [EPR2005(2)] (ab109307)

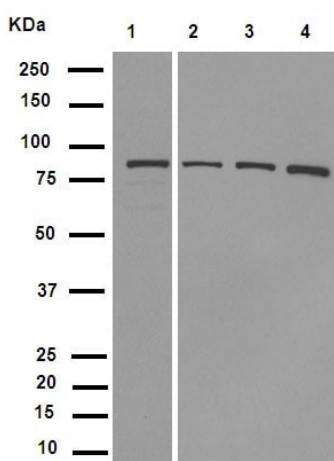
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human lung carcinoma tissue labelling Axin 2 with unpurified ab109307 at 1/150. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. A prediluted HRP-polymer conjugated anti-rabbit IgG was used as the secondary antibody. Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.



Immunocytochemistry/ Immunofluorescence - Anti-Axin 2 antibody [EPR2005(2)] (ab109307)

This image is courtesy of an anonymous Abreview

Unpurified ab109307 staining Axin 2 in 293T cells by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with paraformaldehyde, permeabilized with 1% Triton X-100 and blocked with 3% BSA for 1 hour at room temperature. Samples were incubated with primary antibody (1/50 in PBS + 3% BSA) for 16 hours. An Alexa Fluor® 488-conjugated donkey anti-rabbit IgG polyclonal (1/500) was used as the secondary antibody.



Western blot - Anti-Axin 2 antibody [EPR2005(2)] (ab109307)

**All lanes :** Anti-Axin 2 antibody [EPR2005(2)] (ab109307) at 1/1000 dilution (purified)

**Lane 1 :** SW480 cell lysate

**Lane 2 :** C6 cell lysate

**Lane 3 :** PC-12 cell lysate

**Lane 4 :** NIH/3T3 cell lysate

Lysates/proteins at 20 µg per lane.

#### Secondary

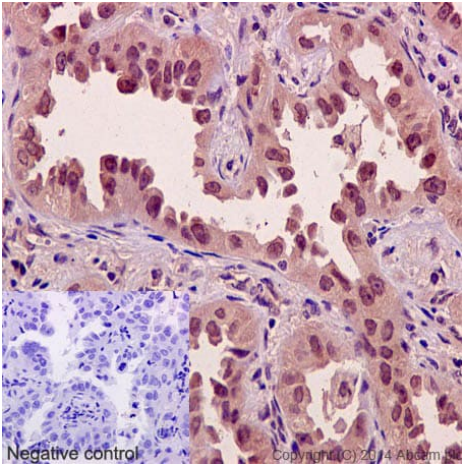
**All lanes :** Peroxidase-conjugated goat anti-rabbit IgG (H+L) at 1/1000 dilution

**Predicted band size:** 94 kDa

**Observed band size:** 94 kDa

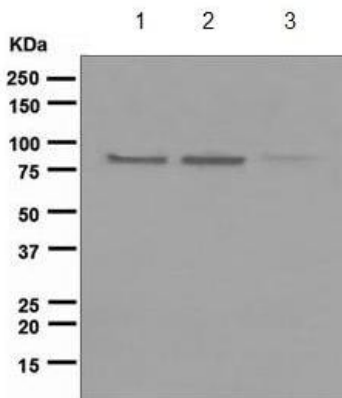
Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human lung carcinoma tissue labelling Axin 2 with purified ab109307 at 1/150. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. A prediluted HRP-polymer conjugated anti-rabbit IgG was used as the secondary antibody. Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Axin 2 antibody [EPR2005(2)] (ab109307)



Western blot - Anti-Axin 2 antibody [EPR2005(2)] (ab109307)

**All lanes :** Anti-Axin 2 antibody [EPR2005(2)] (ab109307) at 1/1000 dilution (unpurified)

**Lane 1 :** MCF7 cell lysates

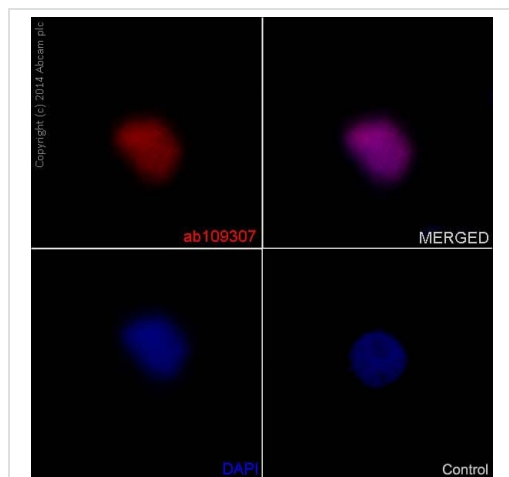
**Lane 2 :** SW480 cell lysates

**Lane 3 :** PC3 cell lysates

Lysates/proteins at 10 µg per lane.

**Predicted band size:** 94 kDa

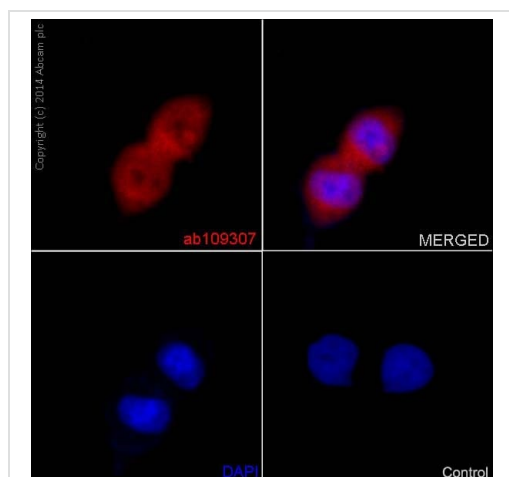
**Observed band size:** 95 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Axin 2 antibody [EPR2005(2)] (ab109307)

Immunocytochemistry/Immunofluorescence analysis of LnCap cells labelling Axin 2 with unpurified ab109307 at 1/150. Cells were fixed with 4% paraformaldehyde. An Alexa Fluor® 555-conjugated goat anti-rabbit IgG (1/500) was used as the secondary antibody. DAPI (blue) was used as the nuclear counterstain.

Control: primary antibody (1/150) and secondary antibody, **ab150113**, an Alexa Fluor® 488-conjugated goat anti-mouse IgG (1/500).



Immunocytochemistry/ Immunofluorescence - Anti-Axin 2 antibody [EPR2005(2)] (ab109307)

Immunocytochemistry/Immunofluorescence analysis of LnCap cells labelling Axin 2 with purified ab109307 at 1/150. Cells were fixed with 4% paraformaldehyde. An Alexa Fluor® 555-conjugated goat anti-rabbit IgG (1/500) was used as the secondary antibody. DAPI (blue) was used as the nuclear counterstain.

Control: primary antibody (1/150) and secondary antibody, **ab150113**, an Alexa Fluor® 488-conjugated goat anti-mouse IgG (1/500).

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Anti-Axin 2 antibody [EPR2005(2)] (ab109307)

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