abcam

Product datasheet

Anti-E Cadherin antibody [EP700Y] - Low endotoxin, Azide free ab201499

KO 評価済 リコンビナント RabMAb

6 References 画像数 21

製品の概要

製品名	Anti-E Cadherin antibody [EP700Y] - Low endotoxin, Azide free
製品の詳細	Rabbit monoclonal [EP700Y] to E Cadherin - Low endotoxin, Azide free
由来種	Rabbit
特異性	E-cadherin contains a number of cleavage sites which may yield a complex fragmentation pattern in WB. Multiple bands between ~80-120 kDa may be observed. This antibody has been tested on human samples in both WB and IHC. Customer feedback (see Abreview) suggests the antibody does not perform well in IHC on mouse tissue.
アプリケーション	**適用あり:** WB, ICC/IF, IHC-P, Flow Cyt (Intra), mIHC
種交差性	**交差種:** Human
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	IHC-P: Human breast carcinoma, lung adenocarcinoma and colonic adenocarcinoma tissue. Human papillary carcinoma of thyroid gland and transitional cell carcinoma of kidney tissue. ICC/IF: MCF7, HT-29 and wild-type A431 cells. Flow Cyt (intra): A431 and MCF7 cells. WB: MCF-7, HT-29, HepG2 and PC-3 whole cell lysate. mIHC: Human endometrium tissue.
特記事項	ab201499 is the carrier-free version of **ab40772**. Our **carrier-free** 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. 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. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production

For more information **see here**.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Our **Low endotoxin, azide-free formats** have low endotoxin level (≤ 1 EU/ml, determined by the LAL assay) and are free from azide, to achieve consistent experimental results in functional assays.

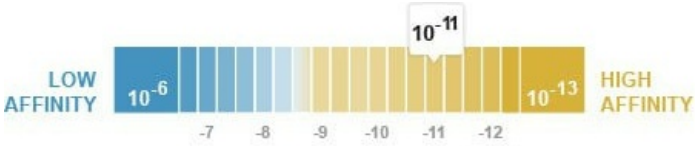
Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

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.

解離定数（K_D 値） $K_D = 2.80 \times 10^{-11}$ M



Learn more about K_D

バッファー pH: 7.20
Constituent: PBS

キャリア・フリー はい

精製度 Protein A purified

ポリ/モノ モノクローナル

クローン名 EP700Y

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ab201499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
WB		Use at an assay dependent concentration. Detects a band of approximately 80-120 kDa (predicted molecular weight: 97 kDa).
ICC/IF		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
Flow Cyt (Intra)		Use at an assay dependent concentration.

アプリケーション	Abreviews	特記事項
mIHC		Use at an assay dependent concentration.

ターゲット情報

機能

Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. CDH1 is involved in mechanisms regulating cell-cell adhesions, mobility and proliferation of epithelial cells. Has a potent invasive suppressor role. It is a ligand for integrin alpha-E/beta-7.
E-Cad/CTF2 promotes non-amyloidogenic degradation of Abeta precursors. Has a strong inhibitory effect on APP C99 and C83 production.

組織特異性

Non-neural epithelial tissues.

関連疾患

Defects in CDH1 are the cause of hereditary diffuse gastric cancer (HDGC) [MIM:137215]. An autosomal dominant cancer predisposition syndrome with increased susceptibility to diffuse gastric cancer. Diffuse gastric cancer is a malignant disease characterized by poorly differentiated infiltrating lesions resulting in thickening of the stomach. Malignant tumors start in the stomach, can spread to the esophagus or the small intestine, and can extend through the stomach wall to nearby lymph nodes and organs. It also can metastasize to other parts of the body. Note=Heterozygous germline mutations CDH1 are responsible for familial cases of diffuse gastric cancer. Somatic mutations in the has also been found in patients with sporadic diffuse gastric cancer and lobular breast cancer.
Defects in CDH1 are a cause of susceptibility to endometrial cancer (ENDMC) [MIM:608089].
Defects in CDH1 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.

配列類似性

Contains 5 cadherin domains.

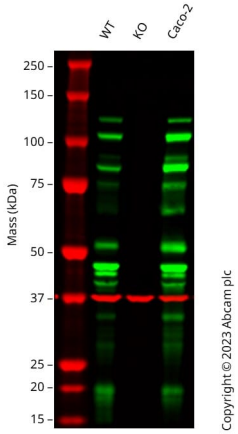
翻訳後修飾

During apoptosis or with calcium influx, cleaved by a membrane-bound metalloproteinase (ADAM10), PS1/gamma-secretase and caspase-3 to produce fragments of about 38 kDa (E-CAD/CTF1), 33 kDa (E-CAD/CTF2) and 29 kDa (E-CAD/CTF3), respectively. Processing by the metalloproteinase, induced by calcium influx, causes disruption of cell-cell adhesion and the subsequent release of beta-catenin into the cytoplasm. The residual membrane-tethered cleavage product is rapidly degraded via an intracellular proteolytic pathway. Cleavage by caspase-3 releases the cytoplasmic tail resulting in disintegration of the actin microfilament system. The gamma-secretase-mediated cleavage promotes disassembly of adherens junctions.

細胞内局在

Cell junction. Cell membrane. Endosome. Golgi apparatus > trans-Golgi network. Colocalizes with DLGAP5 at sites of cell-cell contact in intestinal epithelial cells. Anchored to actin microfilaments through association with alpha-, beta- and gamma-catenin. Sequential proteolysis induced by apoptosis or calcium influx, results in translocation from sites of cell-cell contact to the cytoplasm. Colocalizes with RAB11A endosomes during its transport from the Golgi apparatus to the plasma membrane.

画像



Western blot - Anti-E Cadherin antibody [EP700Y] - Low endotoxin, Azide free (ab201499)

All lanes : Anti-E Cadherin antibody [EP700Y] - Intercellular Junction Marker (**ab40772**) at 1/1000 dilution

Lane 1 : Wild-type A431 cell lysate
Lane 2 : CDH1 knockout A431 cell lysate
Lane 3 : Caco-2 cell lysate

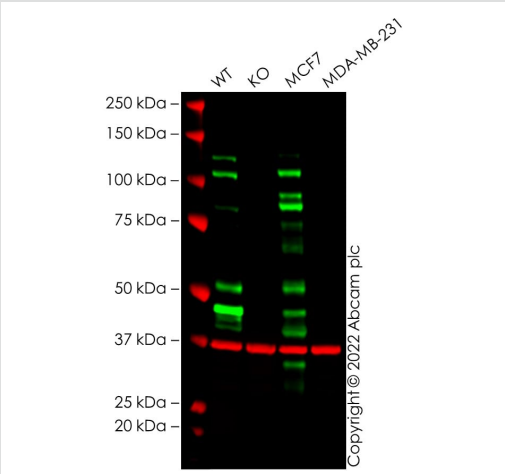
Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 97 kDa
Observed band size: 110,130,40,55,80 kDa

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab40772**).

Western blot: Anti-CDH1 antibody [EP700Y] (**ab40772**) staining at 1/1000 dilution, shown in green; Mouse anti-GAPDH antibody [6C5] (**ab8245**) loading control staining at 1/20000 dilution, shown in red. In Western blot, **ab40772** was shown to bind specifically to CDH1. A band was observed at 130, 110, 80, 55, 40 kDa in wild-type A431 cell lysates with no signal observed at this size in CDH1 knockout cell line **ab273747** (knockout cell lysate **ab273781**). To generate this image, wild-type and CDH1 knockout A431 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® 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.



Western blot - Anti-E Cadherin antibody [EP700Y] - Low endotoxin, Azide free (ab201499)

All lanes : Anti-E Cadherin antibody [EP700Y] - Intercellular Junction Marker (**ab40772**) at 1/10000 dilution

Lane 1 : Wild-type Raji cell lysate
Lane 2 : CDH1 knockout Raji cell lysate
Lane 3 : MCF7 cell lysate
Lane 4 : MDA-MB-231 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

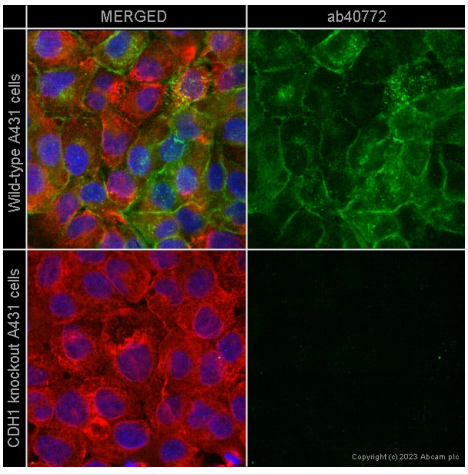
Performed under reducing conditions.

Predicted band size: 97 kDa
Observed band size: 105,130 kDa

This data was developed using the same antibody clone in a different buffer formulation (**ab40772**).

False colour image of Western blot: Anti-E Cadherin antibody [EP700Y] - Intercellular Junction Marker staining at 1/10000 dilution, shown in green; Mouse anti-GAPDH antibody [6C5] (**ab8245**) loading control staining at 1/20000 dilution, shown in red. In Western blot, **ab40772** was shown to bind specifically to E Cadherin. A band was observed at 105/130 kDa in wild-type Raji cell lysates with no signal observed at this size in CDH1 knockout cell line **ab273747** (knockout cell lysate **ab273781**). To generate this image, wild-type and CDH1 knockout Raji 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® 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.

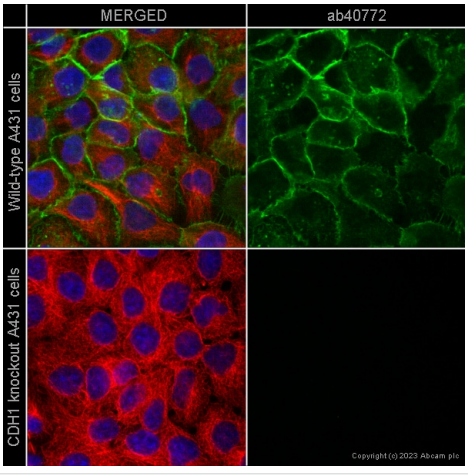


Immunocytochemistry/ Immunofluorescence - Anti-E Cadherin antibody [EP700Y] - Low endotoxin, Azide free (ab201499)

Immunofluorescence staining of E-Cadherin using **ab40772** in wild-type A431 cells (top panel) and CDH1 knockout A431 cells (bottom panel). The cells were fixed with 4% formaldehyde (10 min), permeabilized with 0.1% Triton-X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated with **ab40772** at 1 µg/mL and **ab7291** at 1 µg/mL overnight at +4°C, followed by a further incubation at room temperature for 1h with Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed (**ab150081**) (shown in green) and Goat Anti-Mouse IgG H&L (Alexa Fluor® 594) preadsorbed (**ab150120**) (shown in red), both at 1/1000. Nuclear DNA was labelled with DAPI (shown in blue).

Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a confocal section is shown.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab40772**).

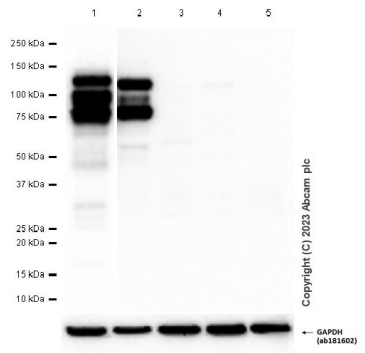


Immunocytochemistry/ Immunofluorescence - Anti-E Cadherin antibody [EP700Y] - Low endotoxin, Azide free (ab201499)

Immunofluorescence staining of E-Cadherin using **ab40772** in wild-type A431 cells (top panel) and CDH1 knockout A431 cells (bottom panel). The cells were fixed with 100% methanol (5 min), permeabilized with 0.1% Triton-X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated with **ab40772** at 0.2 µg/mL and **ab7291** at 1 µg/mL overnight at +4°C, followed by a further incubation at room temperature for 1h with Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed (**ab150081**) (shown in green) and Goat Anti-Mouse IgG H&L (Alexa Fluor® 594) preadsorbed (**ab150120**) (shown in red), both at 1/1000. Nuclear DNA was labelled with DAPI (shown in blue).

Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a confocal section is shown.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab40772**).



Western blot - Anti-E Cadherin antibody [EP700Y] - Low endotoxin, Azide free (ab201499)

All lanes : Anti-E Cadherin antibody [EP700Y] - Intercellular Junction Marker (**ab40772**) at 1/1000 dilution

Lane 1 : MCF7 (Human breast adenocarcinoma epithelial cell) whole cell lysate
Lane 2 : HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysate
Lane 3 : A375 (Human malignant melanoma epithelial cell) whole cell lysate
Lane 4 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate
Lane 5 : HT-1080 (Human fibrosarcoma epithelial cell) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 97 kDa
Observed band size: 80-125 kDa

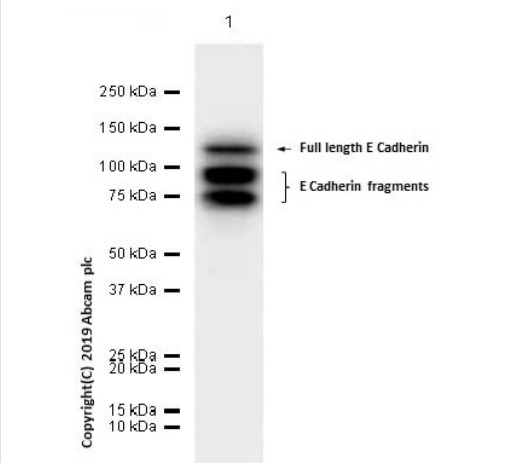
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab40772**).

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

ab181602 was as GAPDH loading control.

Exposure time: Lane1: 3 seconds; Lane 2-5: 40 seconds.

A375, HeLa and HT-1080 were reported as negative or express low level of E cadherin (PMID: 30393081, PMID: 16980628, PMID: 34715746), PMID: 25411788).



Western blot - Anti-E Cadherin antibody [EP700Y] - Low endotoxin, Azide free (ab201499)

Anti-E Cadherin antibody [EP700Y] - Intercellular Junction Marker (**ab40772**) at 1/1000 dilution + MCF7 (Human breast adenocarcinoma epithelial cell) whole cell lysate at 20 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 97 kDa

Observed band size: 80-125 kDa

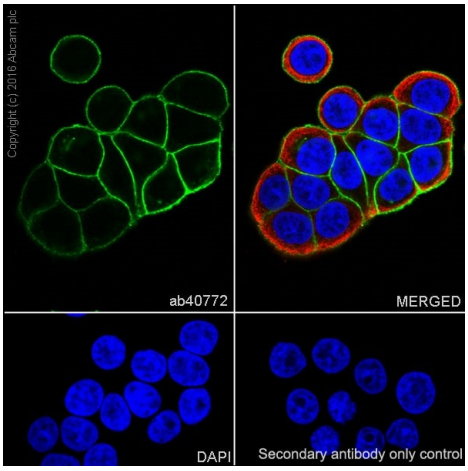
Exposure time: 3.25 seconds.

Blocking and diluting buffer: 5% NFDM/TBST.

Full-length E Cadherin has a molecular weight of approximately 125 kDa. Other molecular weights between 80-100 kDa could also be observed depending on cell types or cell conditions.

PMID: 27274359, PMID: 26983597, PMID: 18478055, PMID: 22375065.

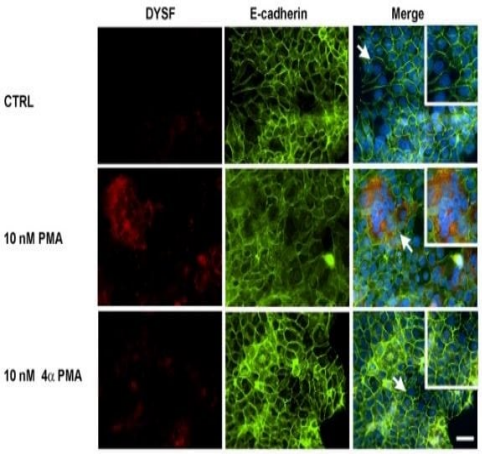
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab40772**).



Immunocytochemistry/ Immunofluorescence - Anti-E Cadherin antibody [EP700Y] - Low endotoxin, Azide free (ab201499)

ab40772 staining E Cadherin in HT-29 (Human colorectal adenocarcinoma) cells by ICC/IF (Immunocytochemistry/Immunofluorescence). Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% tritonX-100. Samples were incubated with primary antibody at 1/500 dilution. An Alexa Fluor® 488 Goat anti-Rabbit (**ab150077**) was used as the secondary antibody at 1/1000 dilution. Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) (**ab195889**) at 1/200 dilution was used as a counterstain. DAPI was used as a nuclear counterstain. This is a confocal image showing membranous staining on HT-29 cell line.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab40772**).



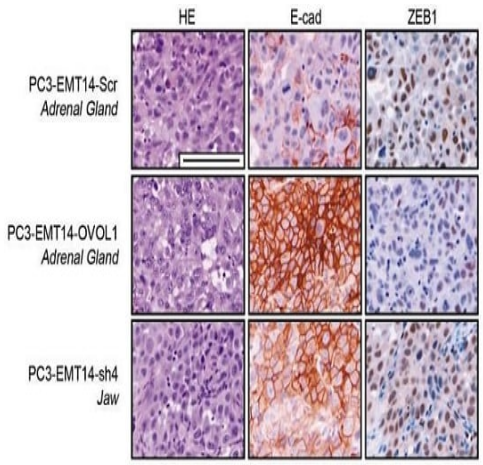
Immunocytochemistry/ Immunofluorescence - Anti-E Cadherin antibody [EP700Y] - Low endotoxin, Azide free (ab201499)

Image from Omata W. et al PLoS One. 2013 Nov 13;8(11):e81003. doi: 10.1371/journal.pone.0081003. eCollection 2013.

PMA induced cell fusion, DYSF expression, and activation of PKC in BeWo cells while 4αPMA was inactive

Immunofluorescence analysis of BeWo cells treated with 0.25% DMSO (controls), 10 nM PMA, or 10 nM 4αPMA for 72 h. The cells were then fixed and subsequently double-labeled for detection of DYSF (red) and E-cadherin (green). Nuclei were labeled with DAPI. While there can be a low level of spontaneous fusion in control cells (in our hands this ranges from about 4 to 9%), most cells are not fused and have at their borders intact E-cadherin labeling. Moreover, DYSF labeling was not detectable in non-fused BeWo cells. However, treatment of BeWo cells with 10 nM PMA for 72 h led to increased levels of cell fusion as indicated by the breakdown of E-cadherin labeling and the expression of DYSF in fused cells. When BeWo cells were treated with 10 nM 4αPMA for 72 h there was no detectable increase in cell fusion or DYSF expression. Arrows indicate areas enlarged and placed in insets. Bar = 50 µm.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab40772**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-E Cadherin antibody [EP700Y] - Low endotoxin, Azide free (ab201499)

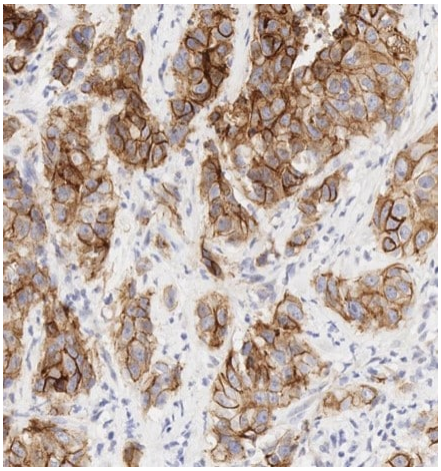
Image from Roca H. et al PLoS One. 2013 Oct 4;8(10):e76773. doi: 10.1371/journal.pone.0076773. eCollection 2013.

Mesenchymal cancer cells show increased metastasis while not requiring MET for solid tumor formation.

ZEB1 or E-cadherin staining of metastases in ICI-mice. Note the higher E-cad and lower ZEB1 expression in the metastatic cells expressing OVOL1 or ZEB1-shRNA (sh4). Scale bar represents 100 µm.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab40772**).

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

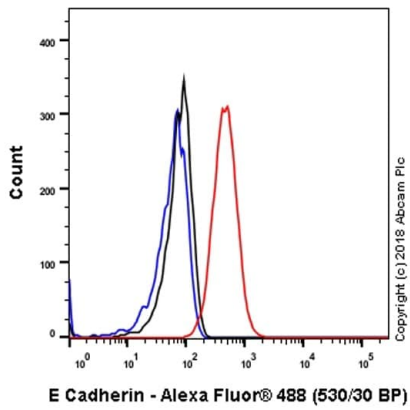


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-E Cadherin antibody [EP700Y] - Low endotoxin, Azide free (ab201499)

Immunohistochemistry of breast carcinoma staining E Cadherin with **ab40772** at 1µg/ml

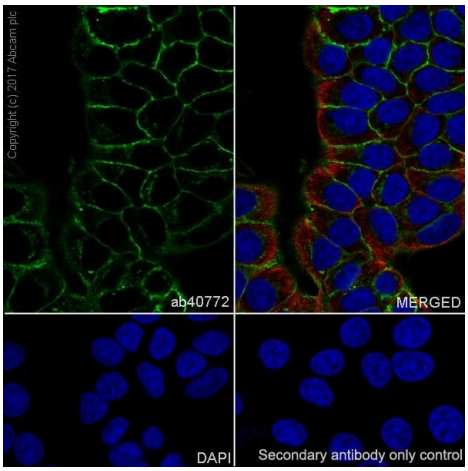
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab40772**).

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-E Cadherin antibody [EP700Y] - Low endotoxin, Azide free (ab201499)

Intracellular Flow Cytometry analysis of MCF7 (Human breast adenocarcinoma epithelial cell) cells labeling E Cadherin with purified **ab40772** at 1/30 dilution (10 µg/ml) (red). Cells were fixed with 4% Paraformaldehyde. A Goat anti rabbit IgG (Alexa Fluor® 488) secondary antibody was used at 1/2000 dilution. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue). This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab40772**).

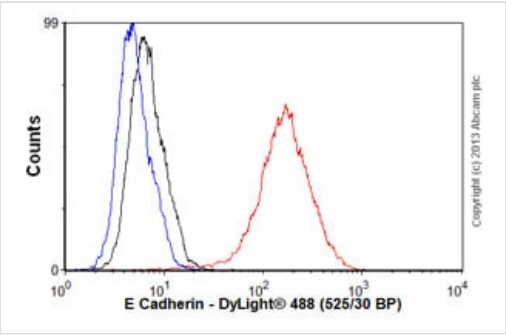


Immunocytochemistry/ Immunofluorescence - Anti-E Cadherin antibody [EP700Y] - Low endotoxin, Azide free (ab201499)

Immunocytochemistry/Immunofluorescence analysis of MCF7 (human breast adenocarcinoma epithelial) cells labeling E Cadherin with **ab40772**. Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% tritonX-100. Samples were then incubated with the primary antibody at a 1/500 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) secondary antibody at a 1/1000 dilution (green). The nuclear counter stain is DAPI (blue). Counterstained with **ab195889** anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) at a 1/200 dilution (red).

Confocal image shows membranous staining on MCF7 cell line.

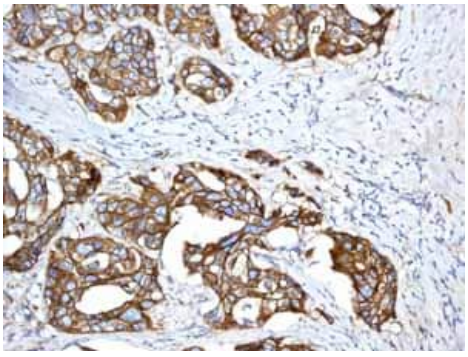
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab40772**).



Flow Cytometry (Intracellular) - Anti-E Cadherin antibody [EP700Y] - Low endotoxin, Azide free (ab201499)

Overlay histogram showing A431 (Human epidermoid carcinoma cell line) cells stained with unpurified **ab40772** (red line). The cells were fixed with 80% methanol (5 minutes) and incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions. The cells were then incubated with the antibody (**ab40772**, 1/1000 dilution) for 30 minute at 22°C. The secondary antibody used was DyLight® 488 goat anti-rabbit IgG (H+L) (**ab96899**) at 1/500 dilution for 30 minutes at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (0.1 µg/1x10^6 cells) used under the same conditions. Unlabeled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab40772**).

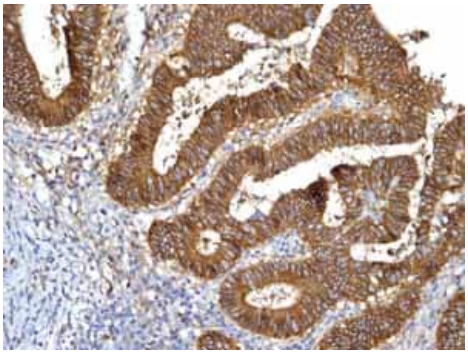


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-E Cadherin antibody [EP700Y] - Low endotoxin, Azide free (ab201499)

Formalin-fixed, paraffin-embedded human breast carcinoma tissue stained for E Cadherin with unpurified **ab40772** at a 1/500 dilution in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab40772**).

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

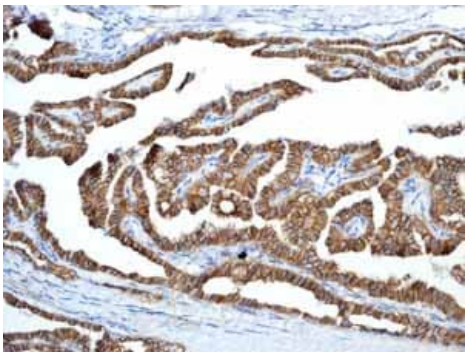


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-E Cadherin antibody [EP700Y] - Low endotoxin, Azide free (ab201499)

Formalin/PFA-fixed paraffin-embedded human colonic adenocarcinoma tissue stained for E Cadherin with unpurified **ab40772** at a 1/500 dilution in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab40772**).

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

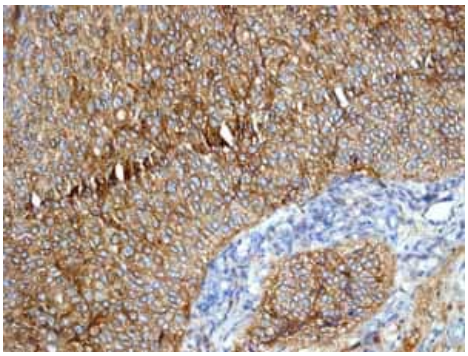


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-E Cadherin antibody [EP700Y] - Low endotoxin, Azide free (ab201499)

Formalin-fixed, paraffin-embedded human papillary carcinoma of thyroid gland tissue stained for E Cadherin with unpurified **ab40772** at a 1/500 dilution in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab40772**).

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

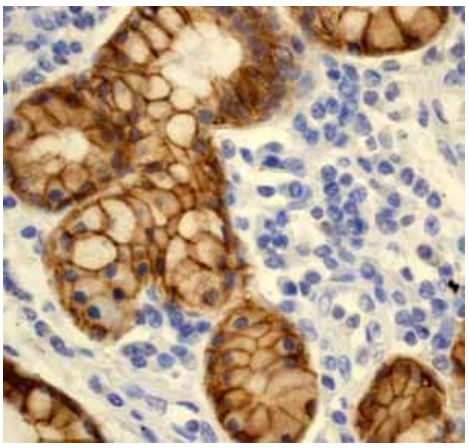


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-E Cadherin antibody [EP700Y] - Low endotoxin, Azide free (ab201499)

Formalin-fixed, paraffin-embedded human transitional cell carcinoma of kidney tissue stained for E Cadherin with unpurified **ab40772** at a 1/500 dilution in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab40772**).

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

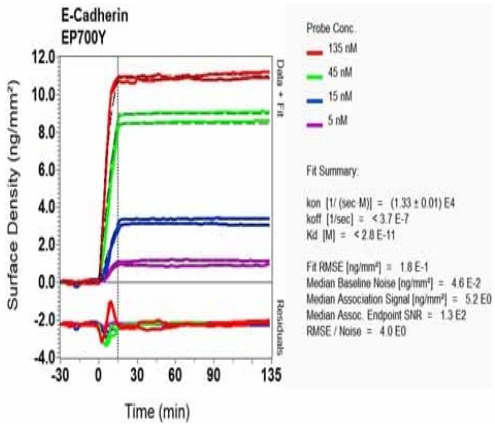


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-E Cadherin antibody [EP700Y] - Low endotoxin, Azide free (ab201499)

Formalin-fixed, paraffin-embedded human lung adenocarcinoma tissue stained for E Cadherin with unpurified **ab40772** at a 1/500 dilution in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab40772**).

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



OI-RD Scanning - Anti-E Cadherin antibody [EP700Y] - Low endotoxin, Azide free (ab201499)

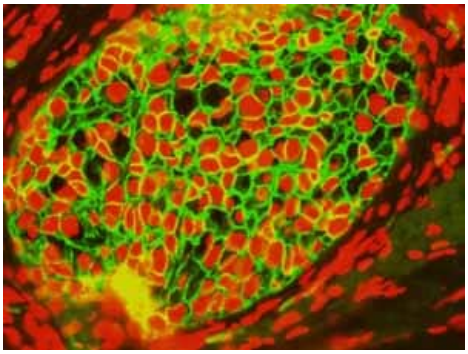
Produced using unpurified **ab40772**

Equilibrium disassociation constant (K_D)

Learn more about K_D

Click here to learn more about K_D

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab40772**).

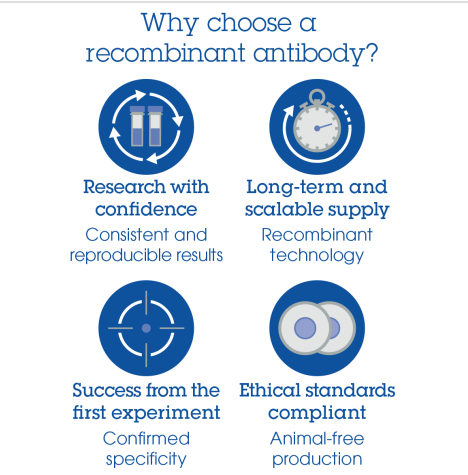


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-E Cadherin antibody [EP700Y] - Low endotoxin, Azide free (ab201499)

This IHC data was generated using the same anti-E Cadherin antibody clone, EP700Y, in a different buffer formulation (cat# **ab40772**).

Fluorescent immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using **ab40772**. Green-E-Cadherin red-PI

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Anti-E Cadherin antibody [EP700Y] - Low endotoxin, Azide free (ab201499)

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