Datasheet for ABIN7295214

anti-E-cadherin antibody (C-Term)

4 Images

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Overview

Quantity:	100 µL
Target:	E-cadherin (CDH1)
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Pig, Monkey, Dog, Rabbit, Cow, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This E-cadherin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF), Immunoprecipitation (IP), Immunochromatography (IC)

Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human E Cadherin.
Specificity:	Recognizes endogenous levels of E Cadherin protein.
Characteristics:	Rabbit polyclonal antibody to E Cadherin
Purification:	The antibody was purified by immunogen affinity chromatography.

Target Details

Target:	E-cadherin (CDH1)
Alternative Name:	E Cadherin (CDH1 Products)

Target Details

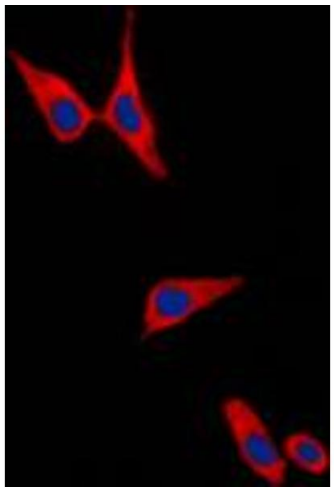
Background:	CDH1, CDHE, UVO, Cadherin-1, CAM 120/80, Epithelial cadherin, E-cadherin, Uvomorulin, CD324, CDH2, CDHN, NCAD, Cadherin-2, CDw325, Neural cadherin, N-cadherin, CD325, CDH3, CDHP, Cadherin-3, Placental cadherin, P-cadherin, CDH4, Cadherin-4, Retinal cadherin, R-CAD, R-cadherin
Gene ID:	999, 1000, 1001
UniProt:	P12830, P19022, P22223, P55283, Q9R0T4, Q9Z1Y3, Q63149
Pathways:	WNT Signaling, Sensory Perception of Sound, Cell-Cell Junction Organization, Tube Formation

Application Details

Application Notes:	WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500), IP (1:10 - 1:100), FC (1:100 - 1:200)
Restrictions:	For Research Use only

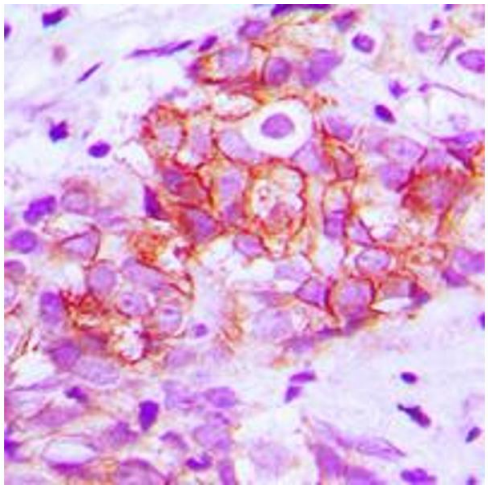
Handling

Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months



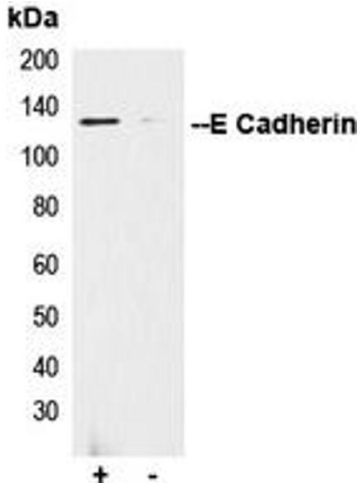
Immunofluorescence

Image 1. Immunofluorescent analysis of E Cadherin staining in PC12 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



Immunohistochemistry

Image 2. Immunohistochemical analysis of E Cadherin staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunoprecipitation

Image 3. Immunoprecipitation of E Cadherin from 0.5mg HEK293F whole cell extract lysate, using 5ug of Anti-E Cadherin Antibody and 50ul of protein G magnetic beads (+). No antibody was added to the control (-). The antibody was incubated under agitation with Protein G beads for 10min, HEK293F whole cell extract lysate diluted in RIPA buffer was added to each sample and incubated for a further 10min under agitation. Proteins were eluted by addition of 40ul SDS loading buffer and incubated for 10min at 70°C; 10ul of each sample was separated on a SDS PAGE gel, transferred to a nitrocellulose membrane, blocked with

5% BSA and probed with Anti-E Cadherin Antibody.

Please check the product details page for more images. Overall 4 images are available for ABIN7295214.