

Datasheet for ABIN6242350
anti-E-cadherin antibody (AA 1-392)



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3 Images

Overview

Quantity:	200 µL
Target:	E-cadherin (CDH1)
Binding Specificity:	AA 1-392
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This E-cadherin antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This CADH1 antibody is generated from a mouse immunized with a recombinant protein between 1-392 amino acids from human CADH1.
Clone:	1579CT577-150-80
Isotype:	IgG1 kappa
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

Target Details

Target:	E-cadherin (CDH1)
Alternative Name:	CADH1 (CDH1 Products)

Target Details

Background:	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.
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Molecular Weight:	97456
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UniProt:	P12830
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Pathways:	WNT Signaling , Sensory Perception of Sound , Cell-Cell Junction Organization , Tube Formation
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Application Details

Application Notes:	IF: 1:25. WB: 1:4000. IHC-P: 1:25
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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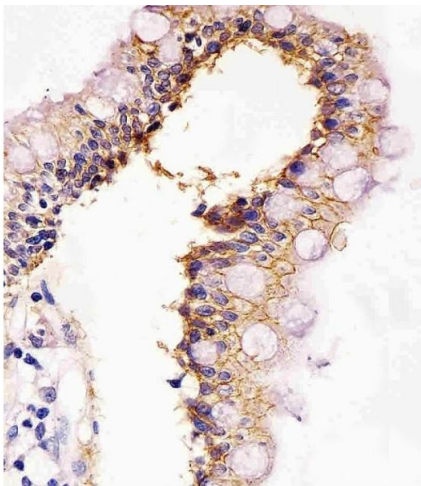
Buffer:	Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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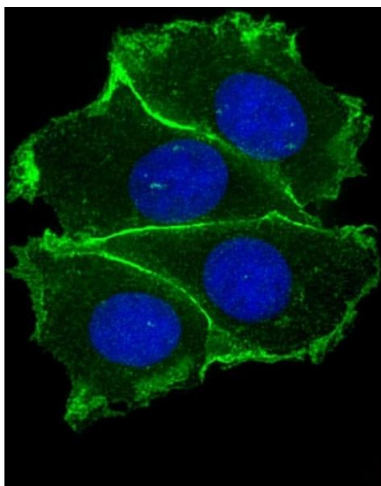
Storage:	4 °C, -20 °C
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Expiry Date:	6 months
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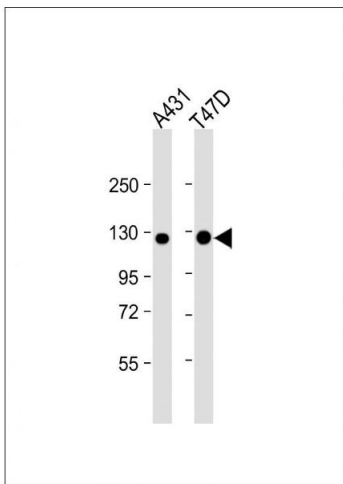
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. (ABIN6242350 and ABIN6577163) staining CADH1 in human colon tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3 % BSA for 0.5 hour at room temperature, antigen retrieval was by heat mediation with a citrate buffer (pH 6). Samples were incubated with primary antibody (1/25) for 1 hour at 37 °C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



Immunofluorescence

Image 2. Immunofluorescent analysis of 4 % paraformaldehyde-fixed, 0.1 % Triton X-100 permeabilized MCF-7 (human breast cancer cell line) cells labeling CADH1 with (ABIN6242350 and ABIN6577163) at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-mouse IgG (NA166821) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing membrane and weak cytoplasm staining on MCF-7 cell line. The nuclear counter stain is DI (blue).



Western Blotting

Image 3. All lanes : Anti-CADH1 Antibody at 1:4000 dilution
Lane 1: A431 whole cell lysate Lane 2: T47D whole cell lysate
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 97 kDa
Blocking/Dilution buffer: 5 % NFDM/TBST.