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Recombinant anti-E-cadherin antibody



Images



Go to Product page

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Quantity:	100 μg
Target:	E-cadherin (CDH1)
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This E-cadherin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF), Staining Methods (StM), Immunostaining (ISt)

Product Details

Recombinant full-length human E-Cadherin protein
CDH1-2208R
IgG
Recognizes a protein of 120-80 kDa, identified as E-cadherin. Cadherins comprise a family of
Ca2+-dependent adhesion molecules that function to mediate cell-cell binding critical to the
maintenance of tissue structure and morphogenesis. The classical cadherins, E-, N- and P-
cadherin, consist of large extracellular domains characterized by a series of five homologous
NH2 terminal repeats. The relatively short intracellular domains interact with a variety of
cytoplasmic proteins, such as -catenin, to regulate cadherin function. E-cadherin plays an
important role in epithelial cell adhesion. A decreased expression of E-cadherin is associated

Product Details

Product Details		
	with metastatic potential and poor prognosis in breast cancer, prostate and esophageal cancer.	
	In combination with p120 Catenin, it is useful for the differentiation between ductal (E-cadherin	
	+) and lobular (E-cadherin -) breast carcinomas. It may also help in diagnosis of mesothelioma.	
No Cross-Reactivity:	Mouse (Murine), Rat (Rattus)	
Purification:	Purified by Protein A/G	
Target Details		
Target:	E-cadherin (CDH1)	
Alternative Name:	CDH1 (CDH1 Products)	
Molecular Weight:	120-80kDa (Mature), 135kDa (Precursor)	
Gene ID:	999	
UniProt:	P12830	
Pathways:	WNT Signaling, Sensory Perception of Sound, Cell-Cell Junction Organization, Tube Formation	
Application Details		
Application Notes:	Positive Control: MCF-7, LS174T, Raji, HT29, SK-BR3 cells. Prostate or Colon carcinomas.	
	Known Application: Flow Cytometry (1-2 μg/million cells),Immunofluorescence (1-2 μg/mL),	
	Western Blot (1-2 μ g/mL), Immunohistochemistry (Formalin-fixed) (1-2 μ g/mL for 30 minutes	
	at RT)(Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM Tris	
	with 1 mM EDTA, pH 9.0 for 10-20 min followed by cooling at RT for 20 minutes)Optimal	
	dilution for a specific application should be determined.	
Restrictions:	For Research Use only	
Handling		
Concentration:	200 μg/mL	
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % 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:	4 °C,-80 °C	

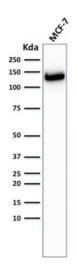
Handling

Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody
	is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date:

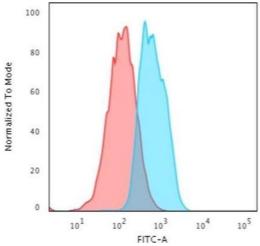
24 months

Images



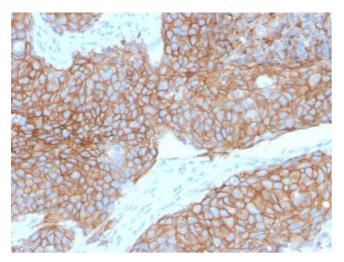
Western Blotting

Image 1. Western Blot Analysis of MCF-7 cells using E-Cadherin Rabbit Recombinant Monoclonal Antibody (CDH1/2208R).



Flow Cytometry

Image 2. Flow Cytometric Analysis of MCF-7 cells using E-Cadherin Rabbit Recombinant Monoclonal Antibody (CDH1/2208R) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Cervix stained with E-Cadherin Rabbit Recombinant Monoclonal Antibody (CDH1/2208R).

Please check the product details page for more images. Overall 5 images are available for ABIN6941299.