Datasheet for ABIN4949627

anti-E-cadherin antibody

5 Images

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Overview

Quantity:	100 µg
Target:	E-cadherin (CDH1)
Reactivity:	Human, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This E-cadherin antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	A full length recombinant human protein was used as the immunogen for the E-Cadherin antibody.
Clone:	CDH1-1525
Isotype:	IgG1 kappa
Purification:	Protein G affinity chromatography

Target Details

Target:	E-cadherin (CDH1)
Alternative Name:	E-Cadherin / CDH1 (CDH1 Products)
Background:	Recognizes a protein of 80-120 kDa, identified as E-cadherin. Cadherins comprise a family of Ca2+-dependent adhesion molecules that function to mediate cell-cell binding critical to the

Target Details

	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 beta-catenin, to regulate cadherin function. E-cadherin plays an important role in epithelial cell adhesion. A decreased expression of E-cadherin is associated 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.
Pathways:	WNT Signaling, Sensory Perception of Sound, Cell-Cell Junction Organization, Tube Formation

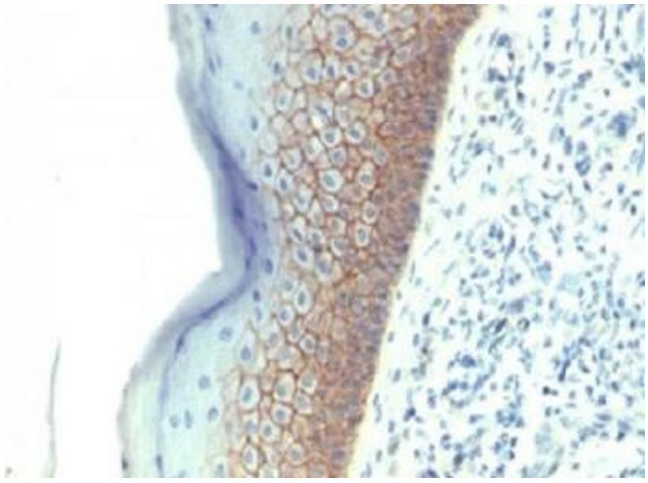
Application Details

Application Notes:	Optimal dilution of the E-Cadherin antibody should be determined by the researcher. 1. Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min.\. Flow Cytometry: 0.5-1 µg/million cells in 0.1ml,Immunofluorescence: 0.5-1 µg/mL,Western blot: 0.5-1 µg/mL,Immunohistochemistry (FFPE): 1-2 µg/mL for 30 min at RT (1)
Restrictions:	For Research Use only

Handling

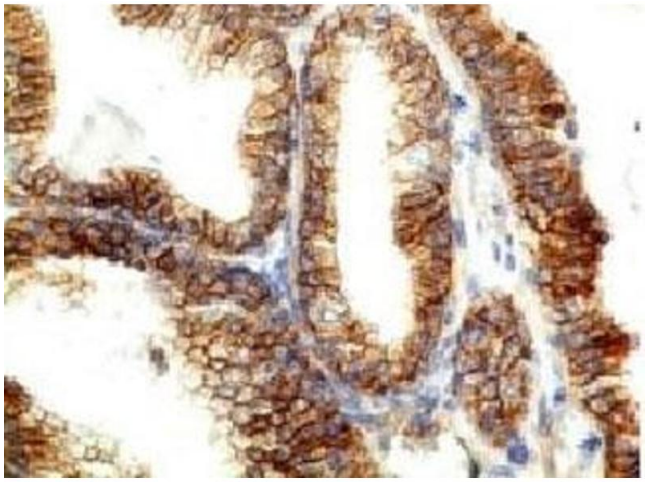
Concentration:	1 mg/mL
Buffer:	1 mg/mL in 1X PBS, BSA free, sodium azide free
Preservative:	Azide free
Storage:	4 °C,-20 °C
Storage Comment:	Store the E-Cadherin antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

Images



Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections)

Image 1. Formalin-fixed, paraffin-embedded human skin stained with E-Cadherin antibody (CDH1/1525).



Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections)

Image 2. Formalin-fixed, paraffin-embedded human colon carcinoma stained with E-Cadherin antibody (CDH1/1525).

Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections)

Image 3. Formalin-fixed, paraffin-embedded human prostate carcinoma stained with E-Cadherin antibody (CDH1/1525).

Please check the product details page for more images. Overall 5 images are available for ABIN4949627.