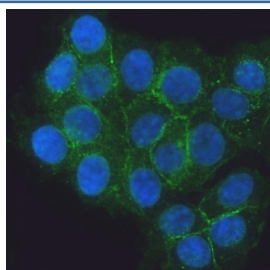


E-Cadherin Antibody / CDH1 (R31951)

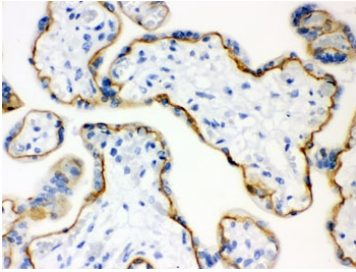
Catalog No.	Formulation	Size
R31951	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

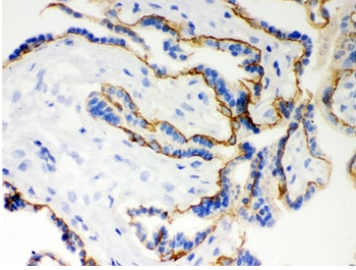
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P12830
Localization	Cytoplasmic, membranous
Applications	Western Blot : 0.1-0.5ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml Immunohistochemistry (Frozen) : 0.5-1ug/ml Immunofluorescence : 5-7ug/ml ELISA : 0.1-0.5ug/ml (human protein tested); request BSA-free format for coating
Limitations	This E-Cadherin antibody is available for research use only.



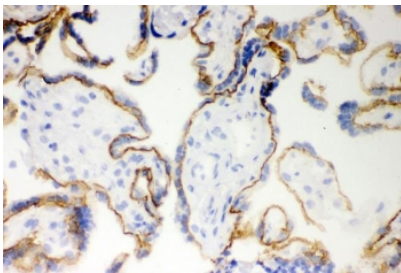
Immunofluorescent staining of FFPE human MCF7 cells with E-Cadherin antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



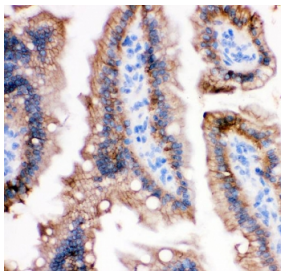
IHC testing of FFPE human placenta with E-Cadherin antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



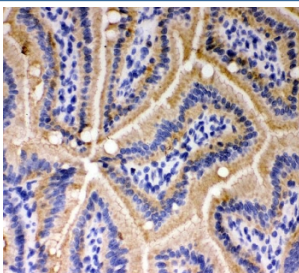
IHC testing of frozen human placenta with E-Cadherin antibody.



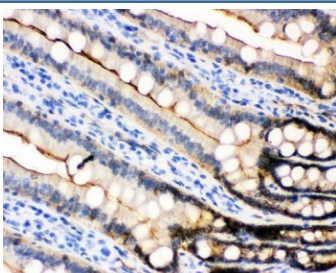
IHC testing of frozen human placenta with E-Cadherin antibody.



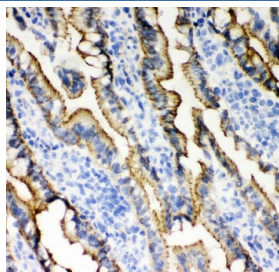
IHC testing of FFPE mouse intestine with E-Cadherin antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



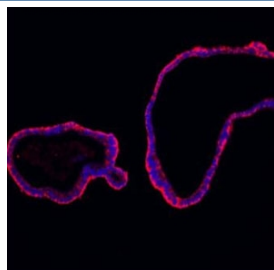
IHC testing of frozen mouse intestine with E-Cadherin antibody.



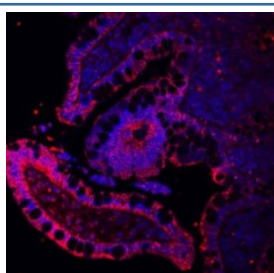
IHC testing of FFPE rat intestine with E-Cadherin antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



IHC testing of frozen rat intestine with E-Cadherin antibody.



Immunofluorescent staining of FFPE human colon with E-Cadherin antibody (red) and DAPI (blue). HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



Immunofluorescent staining of FFPE human ileum with E-Cadherin antibody (red) and DAPI (blue). HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.

Description

CDH1 (Cadherin 1), also known as ECAD/E-Cadherin or UVO, is a protein that in humans is encoded by the CDH1 gene. Cadherin-1 is a classical member of the cadherin superfamily. By Southern analysis of DNA from a panel of mouse-human somatic cell hybrids, Mansouri et al. (1987, 1988) assigned the UVO gene to 16q (16p11-qter). Frebourg et al. (2006) found that in human embryos CDH1 is highly expressed at 4 and 5 weeks in the frontonasal prominence and at 6 weeks in the lateral and medial nasal prominences, and is therefore expressed during critical stages of lip and palate development. 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.

Application Notes

Optimal dilution of the E-Cadherin antibody should be determined by the researcher.

Immunogen

Amino acids 286-703 of human E Cadherin were used as the immunogen for the E-Cadherin antibody.

Storage

After reconstitution, the E-Cadherin antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

