PRODUCT DATA SHEET

E-cadherin Polyclonal Antibody

Catalog No.	IPB0128
Reactivity	Human; Mouse; Rat
Applications	WB; IHC-p; IF/ICC; ELISA
Dilution	WB: 1:500-1:2000 IHC-p: 1:100-1:200 ELISA: 1:20000 IF: 1:50-1:200
Gene Name	CDH1
Protein Name	Cadherin-1
Human Gene Id	999
Swiss-Prot	P12830
Formulation	Liquid in PBS containing 50% glycerol, 05% BSA and 002% sodium azide
Source	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Concentration	1 mg/ml
Storage&Stability	-20°C/1 year
Subcellular Location	Cell junction, adherens junction Cell membrane; Single-pass type I membrane protein Endosome Golgi apparatus, trans-Golgi network Colocalizes with DLGAP5 at sites of cell-cell contact in intestinal epithelial cells Anchored to actin microfilaments through association with alpha-, beta- and gamma-catenin Sequential proteolysis induced by apoptosis or calcium influx, results in translocation from sites of cell-cell contact to the cytoplasm Colocalizes with RAB11A endosomes during its transport from the Golgi apparatus to the plasma membrane
MW	97456
Background	This gene encodes a classical cadherin of the cadherin superfamily Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature glycoprotein This calcium-dependent cell-cell adhesion protein is comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail Mutations in this gene are correlated with gastric, breast, colorectal, thyroid and ovarian cancer Loss of function of this gene is thought to contribute to cancer progression by increasing proliferation, invasion, and:or metastasis The ectodomain of this protein mediates bacterial adhesion to mammalian cells and the cytoplasmic domain is required for internalization This gene is present in a gene cluster with other members of the cadherin family on chromosome 16

Products Images:

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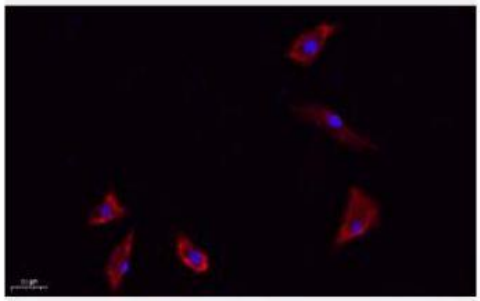
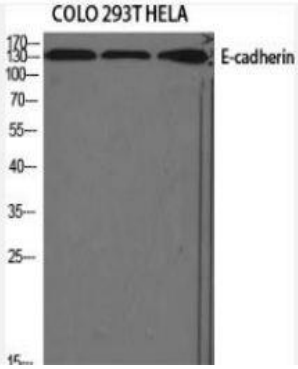
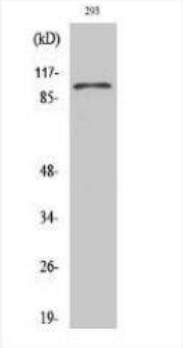


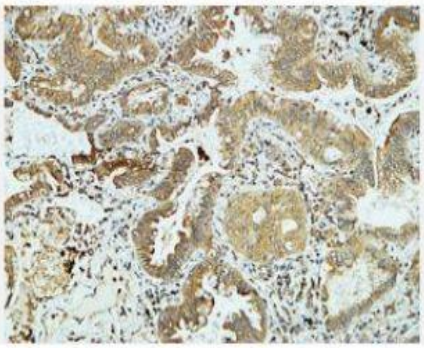
Immunofluorescence analysis of A549. 1,primary Antibody(red) was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 594 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, Picture B: DAPI(blue) 10min.



Western Blot analysis of various cells using E-cadherin Polyclonal Antibody diluted at 1:1000



Western Blot analysis of 293 cells using E-cadherin Polyclonal Antibody diluted at 1:1000



Immunohistochemical analysis of paraffin-embedded Human lung. 1, Antibody was diluted at 1:200(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).

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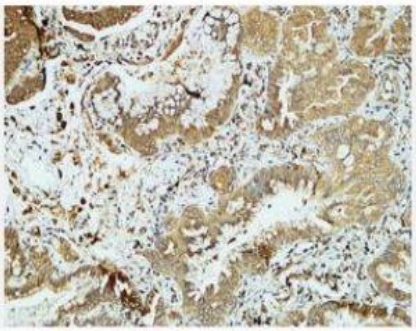

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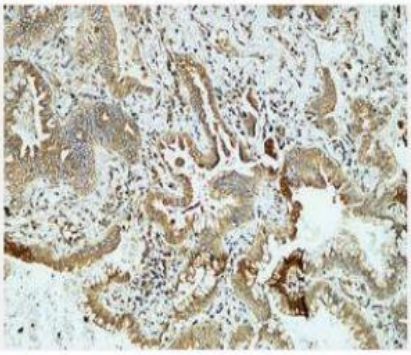

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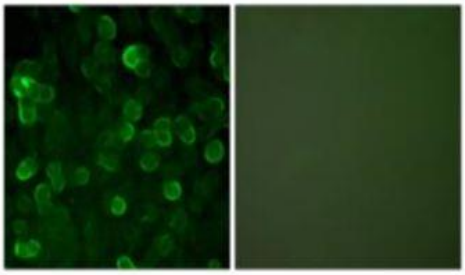
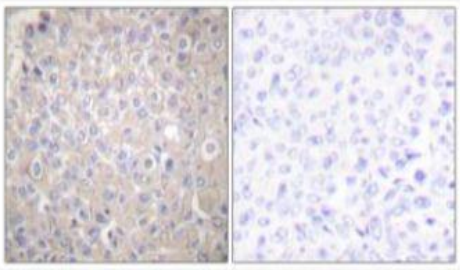


Immunofluorescence analysis of A549 cells, using E-cadherin Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using E-cadherin Antibody. The picture on the right is blocked with the synthesized peptide.

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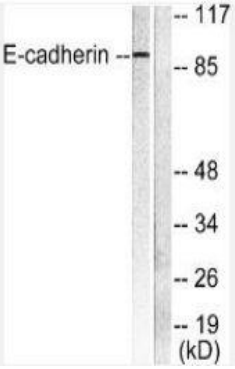

Western blot analysis of lysates from 293 cells, using E-cadherin Antibody. The lane on the right is blocked with the synthesized peptide.