

E-cadherin rabbit pAb

Cat No.: ES2220

For research use only

Overview

Product Name E-cadherin rabbit pAb

Host species Rabbit

Applications WB;IHC;IF;ELISA Species Cross-Reactivity Human;Mouse;Rat

Recommended dilutions Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300

ELISA: 1/20000. IF 1:100-300 Not yet tested in other

applications.

Immunogen The antiserum was produced against synthesized

peptide derived from human Cadherin. AA

range:833-882

Specificity E-cadherin Polyclonal Antibody detects endogenous

levels of E-cadherin protein.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

Storage Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name Cadherin-1
Gene Name CDH1

Cellular localization 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 The antibody was affinity-purified from rabbit

Purification The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

ClonalityPolyclonalConcentration1 mg/mlObserved band125-130kD

Human Gene ID 999/1000/1001/1002

Human Swiss-Prot Number P12830/P19022/P22223/P55283

Alternative Names CDH1; CDHE; UVO; Cadherin-1; CAM 120/80;

Epithelial cadherin; E-cadherin; Uvomorulin; CD antigen CD324; CDH2; CDHN; NCAD; Cadherin-2;

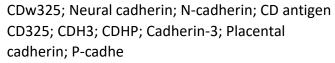


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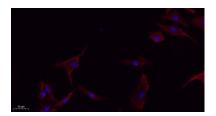
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Background



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. [provided by RefSeq, Nov 2015],



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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.

