Recombinant E-Cadherin/CDH1/E-cad/CD324 Monoclonal Antibody

catalog number: **AN300023P**

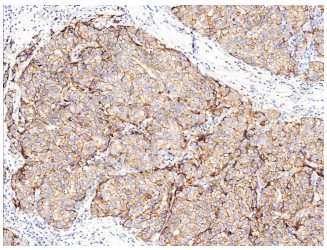
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

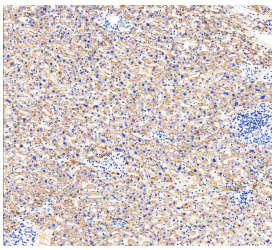
Reactivity	Human
Immunogen	Recombinant Human E-cadherin / CDH1 / Cadherin-1 / E-Cad protein
Host	Rabbit
Isotype	Rabbit IgG
Clone	C310021
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
WB:	1:1000-1:20000; IHC: 1:200-1:500; ICC/IF: 1:200-1:1000; FC: 1:20

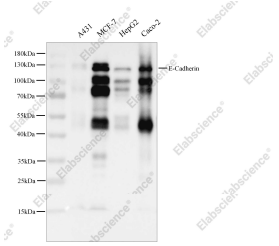
Data



Immunohistochemical analysis of paraffin-embedded Human breast cancer tissue sections using E-Cadherin/CDH1/E-cad/CD324 Antibody (AN300023P) at a dilution of 1:300 (10× lens). Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0) for 20 min prior to IHC staining.



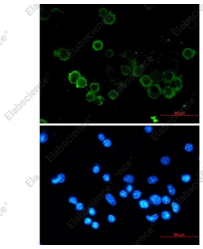
Immunohistochemical analysis of paraffin-embedded Human liver tissue sections using E-Cadherin/CDH1/E-cad/CD324 Antibody (AN300023P) at a dilution of 1:300 (10× lens). Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0) for 20 min prior to IHC staining.



Western blot analysis of A431,MCF-7,HepG2 and Caco-2 cell lysates using E-Cadherin/CDH1/E-cad/CD324 Antibody (AN300023P) at a dilution of 1:1500.

Observed-MW:80-120kDa,135 kDa

Calculated-MW:98 kDa



Immunofluorescent analysis of MCF-7 cells (green), and DAPI (blue).

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

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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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