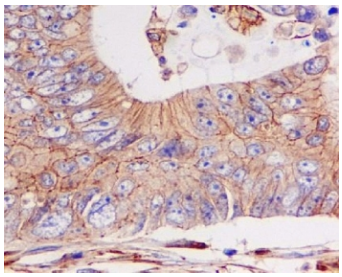
E-Cadherin Antibody / CDH1 [clone COH-3] (RQ5389)

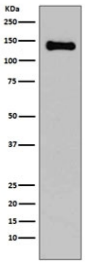
Catalog No.	Formulation	Size
RQ5389	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Bulk quote request

Availability	1-2 weeks
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	COH-3
Purity	Affinity purified
UniProt	P12830
Localization	Cytoplasmic, plasma membrane
Applications	Western Blot : 1:1000-1:5000 Immunohistochemistry (FFPE) : 1:50-1:200
Limitations	This E-Cadherin antibody is available for research use only.



IHC staining of FFPE human colon cancer with E-Cadherin antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



Western blot testing of rat C6 cell lysate with E-Cadherin antibody. Expected molecular weight: 135 kDa (precursor), 80-120 kDa (mature, depending on glycosylation level).

Description

The CDH1 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. [RefSeq]

Application Notes

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

Immunogen

A synthetic peptide specific to human E-Cadherin / CDH1 was used as the immunogen for the E-Cadherin antibody.

Storage

Store the E-Cadherin antibody at -20oC.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com