

E-cadherin Rabbit Polyclonal Antibody

OPR2220

Reactivity	H, M, R	Storage	-20°C, Avoid freeze / thaw cycles
Host	Rabbit	Applications	WB; IHC; IF; ELISA
Isotype	IgG	Concentration	1 mg/ml

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

Images



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.

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from human Cadherin. AA range:833-882
Swissprot	P12830/ P19022/ P22223/ P55283
Synonyms	CDH1; CDHE; UVO; Cadherin-1; CAM 120/80; Epithelial cadherin; E-cadherin; Uvomorulin; CD antigen CD324; CDH2; CDHN; NCAD; Cadherin-2; CDw325; Neural cadherin; N-cadherin; CD antigen CD325; CDH3; CDHP; Cadherin-3; Placentalcadherin; P-cadherin 1(CDH1)

Product Information

Observed MW	125-130 kDa
Buffer	PBS with 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Dilution	WB: 1/500 - 1/2000., IHC-p: 1:100-300, ELISA: 1/20000, IF: 1:100-300

Other applications have not been tested. Optimal dilutions/concentrations should be determined by the end user

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.

Research Use

For research use only, not for use in diagnostic procedures.

Legend

Applications: WB-Western Blot; IHC-Immunohistochemistry; IF-Immunofluorescence; IP-Immunoprecipitation; FC-Flow cytometry; ChIP-Chromatin Immunoprecipitation

Reactivity: H-Human; R-Rat; M-Mouse; Mk-Monkey; Dg-Dog; Ch-Chicken; Hm-Hamster; Rb-Rabbit; Sh- Sheep; Pg-Pig; Z-Zebrafish; X-Xenopus; C-Cow.

Please contact Origin Diagnostics and Research for further assistance

www.originlab.in

info@originlab.in

+91-7736237778