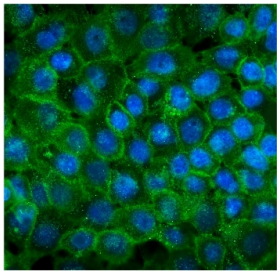
CDH3 Antibody / P-Cadherin [clone 3C9] (RQ5940)

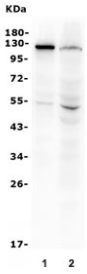
Catalog No.	Formulation	Size
RQ5940	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	3C9
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P22223
Applications	Western blot: 0.5-1ug/ml Immunofluorescence: 2-4ug/ml
Limitations	This CDH3 antibody is available for research use only.



Immunofluorescent staining of FFPE human A431 cells with CDH3 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) A431 and 2) Caco-2 lysate with CDH3 antibody. Expected molecular weight: ~91 kDa (unmodified), 100~130 kDa (glycosylated).

Description

Cadherins, such as CDH3, are integral membrane glycoproteins responsible for calcium-dependent cell-cell adhesion. Cadherin-3 is a protein that in humans is encoded by the CDH3 gene. This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium-dependent cell-cell adhesion glycoprotein composed of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. This gene is located in a six-cadherin cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity events in breast and prostate cancer. In addition, aberrant expression of this protein is observed in cervical adenocarcinomas. Mutations in this gene have been associated with congential hypotrichosis with juvenile macular dystrophy.

Researchers studying CDH3 expression and cadherin family signaling may also be interested in our P-Cadherin Antibody / Epithelial Cell Adhesion Antibody page, which highlights epithelial junction regulation, cell-cell adhesion and tissue organization pathways.

Application Notes

Optimal dilution of the CDH3 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids Q126-H336) was used as the immunogen for the CDH3 antibody.

Storage

After reconstitution, the CDH3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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