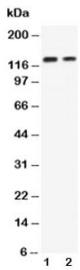
P-Cadherin Antibody (R30431)

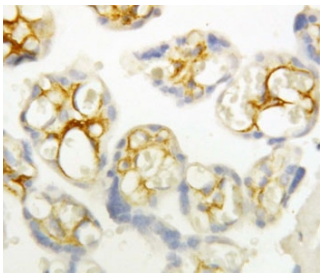
Catalog No.	Formulation	Size
R30431	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

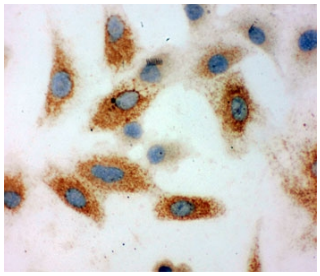
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P22223
Localization	Cell surface, cytoplasmic
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 0.5-1ug/ml Immunocytochemistry: 0.5-1ug/ml
Limitations	This P-Cadherin antibody is available for research use only.



Western blot testing of P-Cadherin antibody and Lane 1: recombinant human protein 10ng; 2: 5ng. Expected molecular weight: ~91 (unmodified), 100~130 kDa (glycosylated).



IHC-P: P-Cadherin antibody testing of human placenta tissue



ICC testing of P-Cadherin antibody and A549 cells

Description

Cadherins, such as CDH3, are integral membrane glycoproteins responsible for calcium-dependent cell-cell adhesion. P-Cadherin is a protein that in humans is encoded by the CDH3 gene. 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

The stated application concentrations are suggested starting points. Titration of the P-Cadherin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 612-626 (QDTYDVHLSLSDHGN-human) were used as the immunogen for this P-Cadherin antibody.

Storage

After reconstitution, the P-Cadherin 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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