

Anti-P-Cadherin Antibody

Catalog # ABO10687

Product Information

Application	WB, IHC-P, ICC
Primary Accession	P22223
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Cadherin-3(CDH3) detection. Tested with WB, IHC-P, ICC in Human.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	1001
Other Names	Cadherin-3, Placental cadherin, P-cadherin, CDH3, CDHP
Calculated MW	91418
Application Details	Immunocytochemistry , 0.5-1 μ g/ml, Human, - Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, By Heat Western blot, 0.1-0.5 μ g/ml, Human
Subcellular Localization	Cell membrane; Single-pass type I membrane protein.
Tissue Specificity	Expressed in some normal epithelial tissues and in some carcinoma cell lines. .
Source	Eukaryota
Protein Name	Cadherin-3
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ .
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human P cadherin(612-626aa QDTYDVHLSLSDHGN), different from the mouse and rat sequences by one amino acid.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins

Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Sequence Similarities	Contains 5 cadherin domains.

Protein Information

Name	CDH3
Synonyms	CDHP
Function	Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types.
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Expressed in some normal epithelial tissues and in some carcinoma cell lines.

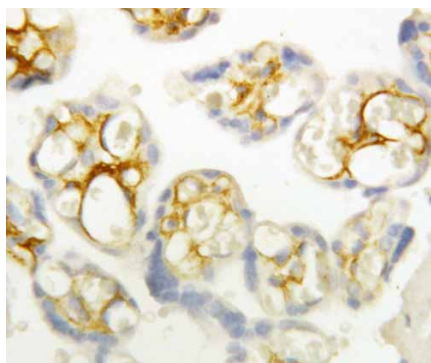
Background

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 congenital hypotrichosis with juvenile macular dystrophy.

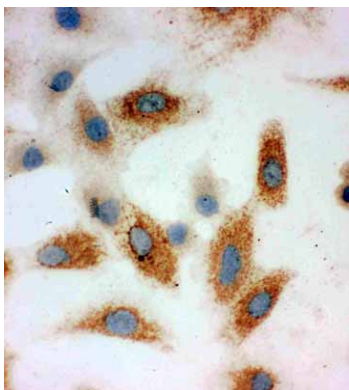
Images



Anti-P cadherin antibody, ABO10687, Western blotting
Lane 1: Recombinant Human P-Cadherin Protein 10ng
Lane 2: Recombinant Human P-Cadherin Protein 5ng



Anti-P cadherin antibody, ABO10687, IHC(P)
Human Placenta Tissue



Anti-P cadherin antibody, ABO10687, ICCICC: A549 Cell

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.