

Datasheet for ABIN6719500

anti-P-Cadherin antibody (AA 126-336)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	P-Cadherin (CDH3)
Binding Specificity:	AA 126-336
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This P-Cadherin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-P-Cadherin-3 CDH3-Antibody Picoband®
Immunogen:	E. coli-derived human P cadherin recombinant protein (Position: Q126-H336).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-P-Cadherin-3 CDH3-Antibody Picoband® (ABIN6719500). Tested in ELISA, Flow Cytometry, IF, ICC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	P-Cadherin (CDH3)
Alternative Name:	CDH3 (CDH3 Products)
Background:	Synonyms: Cadherin-3, Placental cadherin, P-cadherin, CDH3, CDHP Tissue Specificity: 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.
Molecular Weight:	120 kDa
Gene ID:	1001
UniProt:	P22223

Application Details

Application Notes:	Western blot, 0.1-0.5 µg/mL Immunocytochemistry/Immunofluorescence, 5 µg/mL Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells ELISA, 0.1-0.5 µg/mL 1. Kaupmann K, Becker-Follmann J, Scherer G, Jockusch H, Starzinski-Powitz A (Dec 1992). "The gene for the cell adhesion molecule M-cadherin maps to mouse chromosome 8 and human chromosome 16q24.1-qter and is near the E-cadherin (uvomorulin) locus in both species". Genomics 14 (2): 488-90.
Comment:	Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested. Optimal dilutions should be determined by end users.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg NaN ₃ .
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.