

Datasheet for ABIN2782138
anti-P-Cadherin antibody (N-Term)



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	P-Cadherin (CDH3)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Horse, Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This P-Cadherin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human CDH3
Sequence:	AVSENGASVE DPMNISIIVT DQNDHKPKFT QDTRGSVLE GVLPGTSMQ
Predicted Reactivity:	Cow: 93%, Dog: 93%, Horse: 93%, Human: 100%, Mouse: 100%, Pig: 93%, Rabbit: 93%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against CDH3. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	P-Cadherin (CDH3)
Alternative Name:	CDH3 (CDH3 Products)

Target Details

Background:	CDH3 is a classical cadherin from the cadherin superfamily. The protein is a calcium-dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Its 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 its gene have been associated with congenital hypotrichosis with juvenile macular dystrophy. This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium-dependent cell-cell adhesion glycoprotein comprised 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. Alias Symbols: CDHP, HJMD, PCAD Protein Interaction Partner: UBC, CTNND1, CTNNB1, CTNNA1, CDH3, JUP, CDH1, Protein Size: 829
Molecular Weight:	91 kDa
Gene ID:	1001
NCBI Accession:	NM_001793 , NP_001784
UniProt:	P22223

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 829 AA
Restrictions:	For Research Use only

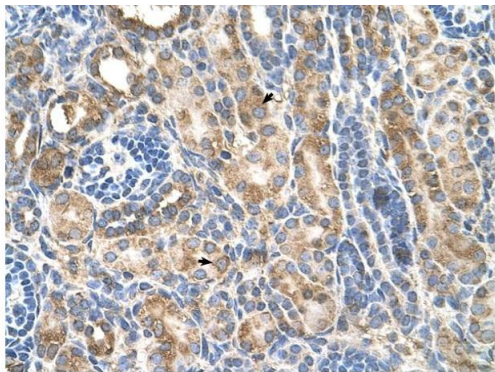
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Rabbit Anti-CDH3 Antibody
Catalog Number: ARP45170
Lot Number: QC15196
Paraffin Embedded Tissue: Human Kidney
Cells with Positive label: Epithelial cells of renal tubule (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

Immunohistochemistry

Image 1. Human kidney



Western Blotting

Image 2. WB Suggested Anti-CDH3 Antibody Titration:
1.25ug/ml Positive Control: HepG2 cell lysate