

PCDH1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP54380

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q08174
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	114743
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PCDH1
Epitope Specificity	51-150/1060
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell junction. Cell membrane. Single-pass type I membrane protein. Note=Found at cell-cell boundaries and probably at cell-matrix boundaries.
SIMILARITY	Contains 7 cadherin domains.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Protocadherins are a subfamily of cadherins, a large group of related glycoproteins that mediate calcium-dependent cell-to-cell adhesion via a homophilic mechanism. Involved in a variety of functions, protocadherins help to regulate neural development and synapse formation. PCDH1 is a 1,026 amino acid single-pass type I membrane protein that contains seven cadherin domains and is a member of the protocadherin family. Localized to cell-cell and cell-matrix boundaries and expressed at high levels in brain and neuro-glial cells, PCDH1 is thought to be involved in cell adhesion and cell-cell interactions and may play a role in neuronal development. PCDH1 contains a C-terminal cytoplasmic region, an extracellular region and a transmembrane region, and is expressed as two isoforms due to alternative splicing events.

Additional Information

Gene ID	5097
Other Names	Protocadherin-1, Cadherin-like protein 1, Protocadherin-42, PC42, PCDH1
Target/Specificity	Highly expressed in the brain and neuro-glial cells.
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
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Protein Information

Name	PCDH1
Function	May be involved in cell-cell interaction processes and in cell adhesion.
Cellular Location	Cell junction. Cell membrane; Single-pass type I membrane protein. Note=Found at cell- cell boundaries and probably at cell-matrix boundaries
Tissue Location	Highly expressed in the brain and neuro-glial cells

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