

**PCDH1 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP54380****Specification**

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**PCDH1 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">Q08174</a>
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	110 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PCDH1
Epitope Specificity	51-150/1060
Isotype	IgG
<b>Purity</b>	
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.

**PCDH1 Polyclonal Antibody - 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 ~ ~ N/A  
IHC-F ~ ~ N/A  
IF ~ ~ 1:50 ~ 200  
ICC ~ ~ N/A  
E ~ ~ N/A

**Format**

0.01M TBS(pH7.4), 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.

**PCDH1 Polyclonal Antibody - 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

**PCDH1 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**PCDH1 Polyclonal Antibody - Images**