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PCDH1 Rabbit pAb

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Catalog # AP54380

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q08174
Predicted	Rat, Pig, Dog, Human, Mouse, Rabbit, Horse
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.
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
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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.

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

Background

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