Rabbit anti-Human PCDH1 Polyclonal Antibody | anti-PCDH1 antibody

PCDH1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288229	**Rabbit**	**Human**	**Immunofluorescence, Western Blot, Immunohistochemistry, ELISA**

PRODUCT SYNONYMS

PCDH1; Polyclonal Antibody; PCDH1 Antibody (N-term); Protocadherin-1; Cadherin-like protein 1; Protocadherin-42; PC42; anti-PCDH1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PCDH1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 179-206 amino acids from the N-terminal region of human PCDH1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.47 (varies by lot)
Sequence Positions	179-206
Sequence Length	1076
Applicable Applications for anti-PCDH1 antibody	IF (Immunofluorescence), WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES

IF (Immunofluorescence)
Confocal immunofluorescent analysis of PCDH1 Antibody (N-term) with U-251MG cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).

WB (Western Blot)
PCDH1 Antibody (N-term) western blot analysis in MDA-MB453,ZR-75-1 cell line lysates (35ug/lane).This demonstrates the PCDH1 antibody detected the PCDH1 protein (arrow).

IHC (Immunohistochemistry)
PCDH1 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of PCDH1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL INFORMATION

Related Product Information for anti-PCDH1 antibody	This gene belongs to the protocadherin subfamily within the cadherin superfamily. The encoded protein is a membrane protein found at cell-cell boundaries. It is involved in neural cell adhesion, suggesting a possible role in neuronal development. The protein includes an extracelllular region, containing 7 cadherin-like domains, a transmembrane region and a C-terminal cytoplasmic region. Cells expressing the protein showed cell aggregation activity. Alternative splicing occurs in this gene.
Product Categories/Family for anti-PCDH1 antibody	Neuroscience; Signal Transduction
References	Koppelman, G.H., et al. Am. J. Respir. Crit. Care Med. 180(10):929-935(2009) Rush, J., et al. Nat. Biotechnol. 23(1):94-101(2005) Ballif, B.A., et al. Mol. Cell Proteomics 3(11):1093-1101(2004) Ballif, B.A., et al. Mol. Cell Proteomics 3(11):1093-1101(2004) Colland, F., et al. Genome Res. 14(7):1324-1332(2004)

NCBI AND UNIPROT INFORMATION

NCBI GI #	519666790
NCBI GeneID	5097
NCBI Accession #	NP_001265542.1; NP_001265544.1; NP_002578.2; NP_115796.2
NCBI GenBank Nucleotide #	NM_001278613.1
UniProt Accession #	Q08174; Q8IUP2
Molecular Weight	114743
NCBI Official Full Name	protocadherin-1 isoform 3
NCBI Official Synonym Full Names	protocadherin 1
NCBI Official Symbol	PCDH1
NCBI Official Synonym Symbols	PC42; PCDH42
NCBI Protein Information	protocadherin-1
UniProt Protein Name	Protocadherin-1
UniProt Gene Name	**PCDH1**
UniProt Synonym Gene Names	PC42
UniProt Entry Name	PCDH1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.