

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 extracellular 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

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