

Rabbit anti-Human PCDHGA8 Polyclonal Antibody | anti-PCDHGA8 antibody

PCDHGA8 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289896	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

PCDHGA8; Polyclonal Antibody; PCDHGA8 Antibody (C-term); Protocadherin gamma-A8; PCDH-gamma-A8; KIAA0327; anti-PCDHGA8 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PCDHGA8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 781-808 amino acids from the C-terminal region of human PCDHGA8.
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: 0.32 (varies by lot)
Sequence Positions	781-808
Sequence Length	820
Applicable Applications for anti-PCDHGA8 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
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 PCDHGA8 Antibody (C-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).



IHC (Immunohistochemistry)

PCDHGA8 Antibody (C-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 PCDHGA8 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
PCDHGA8 Antibody (C-term) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the PCDHGA8 antibody detected the PCDHGA8 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PCDHGA8 antibody	This gene is a member of the protocadherin gamma gene cluster, one of three related clusters tandemly linked on chromosome five. These gene clusters have an immunoglobulin-like organization, suggesting that a novel mechanism may be involved in their regulation and expression. The gamma gene cluster includes 22 genes divided into 3 subfamilies. Subfamily A contains 12 genes, subfamily B contains 7 genes and 2 pseudogenes, and the more distantly related subfamily C contains 3 genes. The tandem array of 22 large, variable region exons are followed by a constant region, containing 3 exons shared by all genes in the cluster. Each variable region exon encodes the extracellular region, which includes 6 cadherin ectodomains and a transmembrane region. The constant region exons encode the common cytoplasmic region. These neural cadherin-like cell adhesion proteins most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. Alternative splicing has been described for the gamma cluster genes.
Product Categories/Family for anti-PCDHGA8 antibody	Neuroscience; Signal Transduction
References	Wu, Q., et al. Genome Res. 11(3):389-404(2001) Nollet, F., et al. J. Mol. Biol. 299(3):551-572(2000) Yagi, T., et al. Genes Dev. 14(10):1169-1180(2000) Wu, Q., et al. Proc. Natl. Acad. Sci. U.S.A. 97(7):3124-3129(2000) Wu, Q., et al. Cell 97(6):779-790(1999)

NCBI AND UNIPROT INFORMATION

NCBI GI #	7662056
NCBI GeneID	9708
NCBI Accession #	NP_054723.1; NP_114477.1
NCBI GenBank Nucleotide #	NM_014004.2
UniProt Accession #	Q9Y5G5; O15039; A7MCZ4
Molecular Weight	101480
NCBI Official Full Name	protocadherin gamma-A8 isoform 2
NCBI Official Synonym Full Names	protocadherin gamma subfamily A, 8
NCBI Official Symbol	PCDHGA8
NCBI Official Synonym Symbols	PCDH-GAMMA-A8
NCBI Protein Information	protocadherin gamma-A8
UniProt Protein Name	Protocadherin gamma-A8
UniProt Gene Name	PCDHGA8

UniProt Synonym Gene Names	KIAA0327; PCDH-gamma-A8
UniProt Entry Name	PCDG8_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/pcdhga8-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/289896>