

Rabbit anti-Human PCDHA5 Polyclonal Antibody | anti-PCDHA5 antibody

PCDHA5 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290333	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

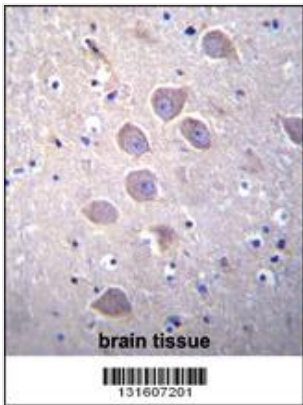
PRODUCT SYNONYMS

PCDHA5; Polyclonal Antibody; PCDHA5 Antibody (Center); Protocadherin alpha-5; PCDH-alpha-5; CNRS6; anti-PCDHA5 antibody

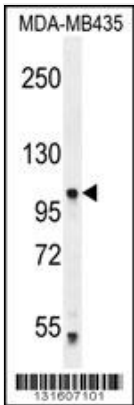
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PCDHA5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 287-315 amino acids from the Central region of human PCDHA5.
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	287-315
Sequence Length	890
Applicable Applications for anti-PCDHA5 antibody	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



IHC (Immunohistochemistry)
PCDHA5 Antibody (Center) 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 PCDHA5 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
PCDHA5 Antibody (Center) western blot analysis in MDA-MB435 cell line lysates (35ug/lane). This demonstrates the PCDHA5 antibody detected the PCDHA5 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PCDHA5 antibody	This gene is a member of the protocadherin alpha gene cluster, one of three related gene clusters tandemly linked on chromosome five that demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The alpha gene cluster is composed of 15 cadherin superfamily genes related to the mouse CNR genes and consists of 13 highly similar and 2 more distantly related coding sequences. The tandem array of 15 N-terminal exons, or variable exons, are followed by downstream C-terminal exons, or constant exons, which are shared by all genes in the cluster. The large, uninterrupted N-terminal exons each encode six cadherin ectodomains while the C-terminal exons encode the cytoplasmic domain. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins that most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. Alternative splicing has been observed and additional variants have been suggested but their full-length nature has yet to be determined.
Product Categories/Family for anti-PCDHA5 antibody	Neuroscience; Signal Transduction
References	Wu, C., et al. Proteomics 7(11):1775-1785(2007) 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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	9256590
NCBI GeneID	56143
NCBI Accession #	NP_061731.1; NP_113689.1
NCBI GenBank Nucleotide #	NM_018908.2
UniProt Accession #	Q9Y5H7; O75284; Q8N4R3
Molecular Weight	102048

NCBI Official Full Name	protocadherin alpha-5 isoform 1
NCBI Official Synonym Full Names	protocadherin alpha 5
NCBI Official Symbol	PCDHA5
NCBI Official Synonym Symbols	CNR6; CNRN6; CNRS6; CRNR6; PCDH-ALPHA5
NCBI Protein Information	protocadherin alpha-5
UniProt Protein Name	Protocadherin alpha-5
UniProt Gene Name	PCDHA5
UniProt Synonym Gene Names	CNRS6; PCDH-alpha-5
UniProt Entry Name	PCDA5_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/pcdha5-antibody-immunohistochemistry-western-blot-elisa/290333>