

Rabbit anti-Human PCDHA7 Polyclonal Antibody | anti-PCDHA7 antibody

PCDHA7 Antibody (Center)

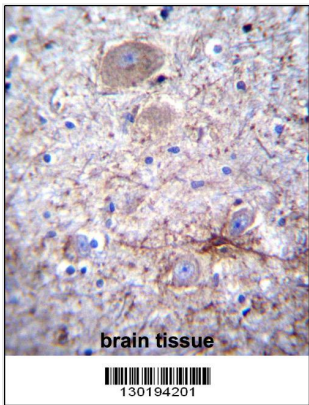
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287210	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

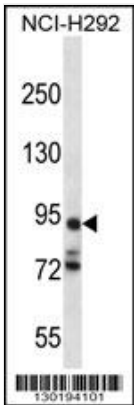
PCDHA7; Polyclonal Antibody; PCDHA7 Antibody (Center); Protocadherin alpha-7; PCDH-alpha-7; CNRS4; anti-PCDHA7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PCDHA7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 272-300 amino acids from the Central region of human PCDHA7.
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: 0.5 (varies by lot)
Sequence Positions	272-300
Sequence Length	789
Applicable Applications for anti-PCDHA7 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.



IHC (Immunohistochemistry)
PCDHA7 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 PCDHA7 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
PCDHA7 Antibody (Center) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the PCDHA7 antibody detected the PCDHA7 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PCDHA7 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-PCDHA7 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 #	9256594
NCBI GeneID	56141
NCBI Accession #	NP_061733.1; NP_114040.1
NCBI GenBank Nucleotide #	NM_018910.2
UniProt Accession #	Q9UN72; O75282
Molecular Weight	100865

NCBI Official Full Name	protocadherin alpha-7 isoform 1
NCBI Official Synonym Full Names	protocadherin alpha 7
NCBI Official Symbol	PCDHA7
NCBI Official Synonym Symbols	CNR4; CNRN4; CNRS4; CRNR4; PCDH-ALPHA7
NCBI Protein Information	protocadherin alpha-7
UniProt Protein Name	Protocadherin alpha-7
UniProt Gene Name	PCDHA7
UniProt Synonym Gene Names	CNRS4; PCDH-alpha-7
UniProt Entry Name	PCDA7_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/pcdha7-antibody-immunohistochemistry-western-blot-elisa/287210>