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Product datasheet for AP53201PU-N

PCDHA7 (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	This antibody is suitable for Western blotting and immunohistochemistry on paraffin sections. The suggested dilution is: **Western blotting**: 1/100-1/500 **Immunohistochemistry on paraffin sections**: 1/10-1/50
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	Synthetic peptide - KLH conjugated - corresponding to the central region (between 279-308 aa) of human PCDHA7.
Specificity:	This antibody detecs human PCDHA7 (Center).
Formulation:	PBS with 0.09% (W/V) Sodium Azide. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Purified through a protein A column, followed by peptide affinity purification.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	protocadherin alpha 7
Database Link:	Entrez Gene 56141 Human Q9UN72

View online »

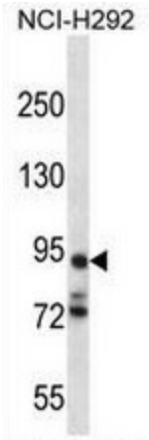
Background: The PCDHA7 gene is a member of the protocadherin alpha gene cluster, one of three related gene clusters tandemly linked on chromosome five that demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The alpha gene cluster is composed of 15 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.

Synonyms: Protocadherin alpha-7, PCDH-alpha-7, CNRS4

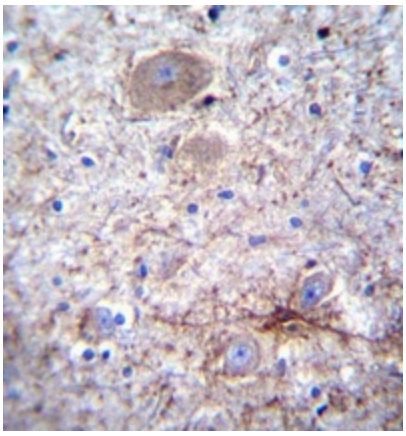
Note: **Molecular Weight:** 100865 Da

Protein Families: Transmembrane

Product images:



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



Immunohistochemistry analysis in formalin-fixed, paraffin-embedded human brain tissue using PCDHA7 antibody., followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of PCDHA7 antibody for immunohistochemistry. Clinical relevance has not been evaluated.