

PCDHA4 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16113b

Specification

PCDHA4 Antibody (C-term) - Product Information

| | |
|-------------------|---|
| Application | WB,E |
| Primary Accession | O9UN74 |
| Other Accession | NP_061730.1 , NP_113688.1 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Calculated MW | 102293 |
| Antigen Region | 761-790 |

PCDHA4 Antibody (C-term) - Additional Information

Gene ID 56144

Other Names

Protocadherin alpha-4, PCDH-alpha-4, PCDHA4

Target/Specificity

This PCDHA4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 761-790 amino acids from the C-terminal region of human PCDHA4.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PCDHA4 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PCDHA4 Antibody (C-term) - Protein Information

Name PCDHA4 ([HGNC:8670](#))

Function Calcium-dependent cell-adhesion protein involved in cells self-recognition and non-self

discrimination. Thereby, it is involved in the establishment and maintenance of specific neuronal connections in the brain.

Cellular Location

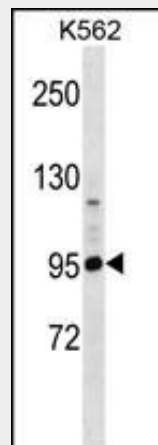
Cell membrane {ECO:0000250|UniProtKB:O88689}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:O88689} Note=Detected in dendrites and synapses {ECO:0000250|UniProtKB:O88689}

PCDHA4 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PCDHA4 Antibody (C-term) - Images



PCDHA4 Antibody (C-term) (Cat. #AP16113b) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the PCDHA4 antibody detected the PCDHA4 protein (arrow).

PCDHA4 Antibody (C-term) - Background

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.

PCDHA4 Antibody (C-term) - 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)
Sugino, H., et al. Genomics 63(1):75-87(2000)