PCDHA9 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12165a

Specification

PCDHA9 Antibody (N-term) - Product Information

Application	**FC, WB,E**
Primary Accession	Q9Y5H5
Other Accession	Q9UN72, NP_054724.1, NP_114063.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**102402**
Antigen Region	**226-253**

PCDHA9 Antibody (N-term) - Additional Information

Gene ID 9752

Other Names
Protocadherin alpha-9, PCDH-alpha-9, PCDHA9, KIAA0345

Target/Specificity
This PCDHA9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 226-253 amino acids from the N-terminal region of human PCDHA9.

Dilution
FC~~1:10~50
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
PCDHA9 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PCDHA9 Antibody (N-term) - Protein Information

Name PCDHA9

Synonyms KIAA0345

Function Potential calcium-dependent cell-adhesion protein. May be involved in the establishment and maintenance of specific neuronal connections in the brain.
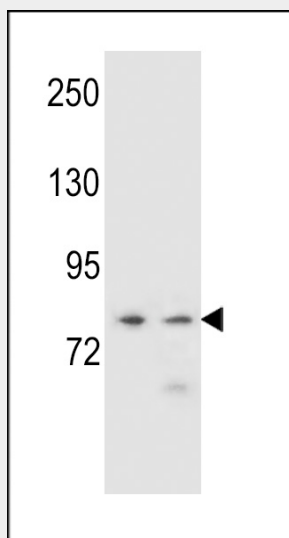
Cellular Location
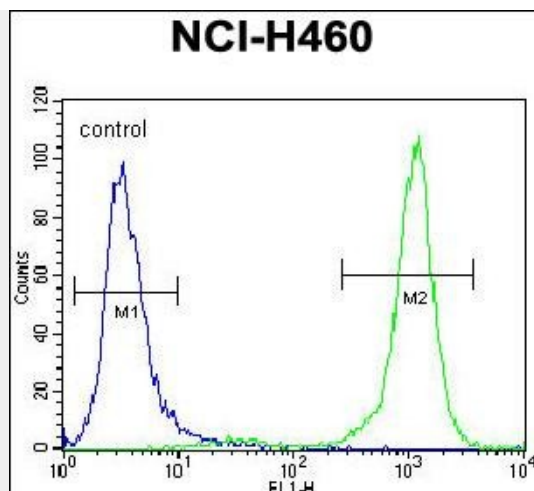Cell membrane; Single-pass type I membrane protein

PCDHA9 Antibody (N-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 Cytomety
- Cell Culture

PCDHA9 Antibody (N-term) - Images

  PCDHA9 Antibody (N-term) (Cat. #AP12165a) western blot analysis in NCI-H460,K562 cell line lysates (35ug/lane).This demonstrates the PCDHA9 antibody detected the PCDHA9 protein (arrow).

PCDHA9 Antibody (N-term) (Cat. #AP12165a) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

PCDHA9 Antibody (N-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.

PCDHA9 Antibody (N-term) - 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)