

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

**Specification**

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**PCDHA9 Antibody (N-term) - Product Information**

Application	WB, FC, E
Primary Accession	<a href="#">O9Y5H5</a>
Other Accession	<a href="#">O9UN72</a> , <a href="#">NP_054724.1</a> , <a href="#">NP_114063.1</a>
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**

WB~~1:1000

FC~~1:10~50

**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**

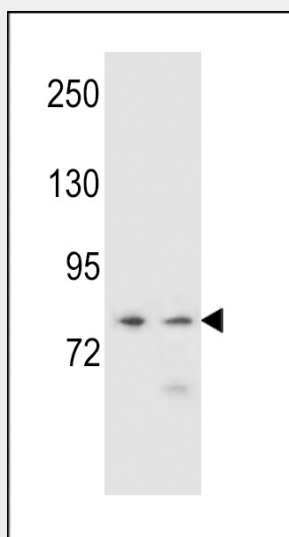
Cell membrane; Single-pass type I membrane protein

**PCDHA9 Antibody (N-term) - Protocols**

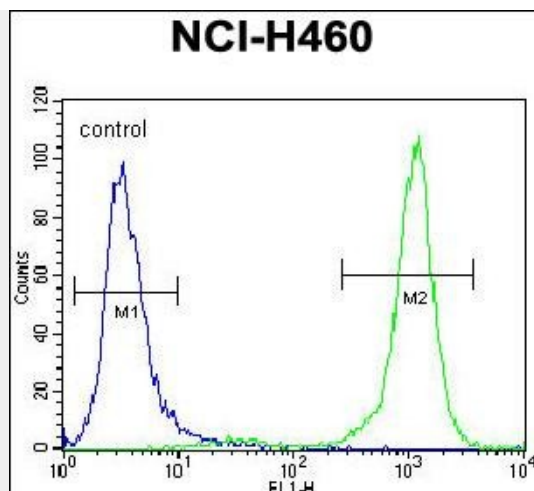
Provided below are standard protocols that you may find useful for product applications.

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