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PCDHB1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14438B

Specification

PCDHB1 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q9Y5F3
Other Accession	NP_037472.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**90491**
Antigen Region	**782-811**

PCDHB1 Antibody (C-term) - Additional Information

Gene ID 29930

Other Names
Protocadherin beta-1, PCDH-beta-1, PCDHB1

Target/Specificity
This PCDHB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 782-811 amino acids from the C-terminal region of human PCDHB1.

Dilution
WB~~1:1000

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
PCDHB1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PCDHB1 Antibody (C-term) - Protein Information

Name PCDHB1

Function Potential calcium-dependent cell-adhesion protein. May be involved in the establishment and maintenance of specific neuronal connections in the brain.

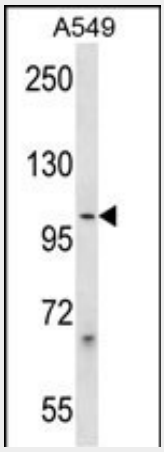
Cellular Location
Cell membrane; Single-pass type I membrane protein

PCDHB1 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 Cytomety
- Cell Culture

PCDHB1 Antibody (C-term) - Images



PCDHB1 Antibody (C-term) (Cat. #AP14438b) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the PCDHB1 antibody detected the PCDHB1 protein (arrow).

PCDHB1 Antibody (C-term) - Background

This gene is a member of the protocadherin beta gene cluster, one of three related gene clusters tandemly linked on chromosome five. The gene clusters demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The beta cluster contains 16 genes and 3 pseudogenes, each encoding 6 extracellular cadherin domains and a cytoplasmic tail that deviates from others in the cadherin superfamily. The extracellular domains interact in a homophilic manner to specify differential cell-cell connections. Unlike the alpha and gamma clusters, the transcripts from these genes are made up of only one large exon, not sharing common 3' exons as expected. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins. Their specific functions are unknown but they most likely play a critical role in the establishment and function of specific cell-cell neural connections.

PCDHB1 Antibody (C-term) - References

Vanhalst, K., et al. FEBS Lett. 495 (1-2), 120-125 (2001) :
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)