

PCDHB12 Antibody (C-term) Blocking peptide

Synthetic peptide Catalog # BP12331b

Specification

PCDHB12 Antibody (C-term) Blocking peptide - Product Information

Primary Accession

09Y5F1

PCDHB12 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 56124

Other Names

Protocadherin beta-12, PCDH-beta-12, PCDHB12

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PCDHB12 Antibody (C-term) Blocking peptide - Protein Information

Name PCDHB12

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

PCDHB12 Antibody (C-term) Blocking peptide - Protocols

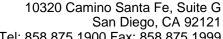
Provided below are standard protocols that you may find useful for product applications.

Blocking Peptides

PCDHB12 Antibody (C-term) Blocking peptide - Images

PCDHB12 Antibody (C-term) Blocking peptide - Background

This gene is a member of the protocadherin beta genecluster, one of three related gene clusters





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tandemly linked onchromosome five. The gene clusters demonstrate an unusual genomicorganization similar to that of B-cell and T-cell receptor geneclusters. The beta cluster contains 16 genes and 3 pseudogenes, each encoding 6 extracellular cadherin domains and a cytoplasmictail that deviates from others in the cadherin superfamily. Theextracellular domains interact in a homophilic manner to specifydifferential cell-cell connections. Unlike the alpha and gammaclusters, the transcripts from these genes are made up of only onelarge exon, not sharing common 3' exons as expected. These neuralcadherin-like cell adhesion proteins are integral plasma membraneproteins. Their specific functions are unknown but they most likelyplay a critical role in the establishment and function of specificcell-cell neural connections.

PCDHB12 Antibody (C-term) Blocking peptide - 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)