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PCDHB14 Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP12321a

Specification

PCDHB14 Antibody (N-term) Blocking peptide - Product Information

Primary Accession Q9Y5E9

PCDHB14 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 56122

Other Names
Protocadherin beta-14, PCDH-beta-14, PCDHB14

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.

PCDHB14 Antibody (N-term) Blocking peptide - Protein Information

Name PCDHB14

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

PCDHB14 Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

PCDHB14 Antibody (N-term) Blocking peptide - Images

PCDHB14 Antibody (N-term) Blocking peptide - Background

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

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.

PCDHB14 Antibody (N-term) Blocking peptide - References

Frank, M., et al. Curr. Opin. Cell Biol. 14(5):557-562(2002)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)