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PCDHGA5 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP18382a

Specification

PCDHGA5 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q9Y5G8

PCDHGA5 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 56110

Other Names
Protocadherin gamma-A5, PCDH-gamma-A5, PCDHGA5

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.

PCDHGA5 Antibody (N-term) Blocking Peptide - Protein Information

Name PCDHGA5

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

PCDHGA5 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

PCDHGA5 Antibody (N-term) Blocking Peptide - Images

PCDHGA5 Antibody (N-term) Blocking Peptide - Background

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

tandemly linked onchromosome five. These gene clusters have an immunoglobulin-likeorganization, suggesting that a novel mechanism may be involved intheir regulation and expression. The gamma gene cluster includes 22genes divided into 3 subfamilies. Subfamily A contains 12 genes,subfamily B contains 7 genes and 2 pseudogenes, and the moredistantly related subfamily C contains 3 genes. The tandem array of22 large, variable region exons are followed by a constant region,containing 3 exons shared by all genes in the cluster. Eachvariable region exon encodes the extracellular region, whichincludes 6 cadherin ectodomains and a transmembrane region. Theconstant region exons encode the common cytoplasmic region. Theseneural cadherin-like cell adhesion proteins most likely play acritical role in the establishment and function of specificcell-cell connections in the brain. Alternative splicing has beendescribed for the gamma cluster genes.

PCDHGA5 Antibody (N-term) Blocking Peptide - References

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)Wu, Q., et al. Cell 97(6):779-790(1999)