10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PCDHA1 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP18214c

Specification

PCDHA1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q9Y5I3

PCDHA1 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 56147

Other Names
Protocadherin alpha-1, PCDH-alpha-1, PCDHA1

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.

PCDHA1 Antibody (Center) Blocking Peptide - Protein Information

Name PCDHA1

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

Cellular Location
[Isoform 1]: Cell membrane; Single- pass type I membrane protein

PCDHA1 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

PCDHA1 Antibody (Center) Blocking Peptide - Images

PCDHA1 Antibody (Center) Blocking Peptide - Background

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

tandemly linked onchromosome five that demonstrate an unusual genomic organizationsimilar to that of B-cell and T-cell receptor gene clusters. Thealpha gene cluster is composed of 15 cadherin superfamily genesrelated to the mouse CNR genes and consists of 13 highly similarand 2 more distantly related coding sequences. The tandem array of15 N-terminal exons, or variable exons, are followed by downstreamC-terminal exons, or constant exons, which are shared by all genesin the cluster. The large, uninterrupted N-terminal exons eachencode six cadherin ectodomains while the C-terminal exons encodethe cytoplasmic domain. These neural cadherin-like cell adhesionproteins are integral plasma membrane proteins that most likelyplay a critical role in the establishment and function of specificcell-cell connections in the brain. Alternative splicing has beenobserved and additional variants have been suggested but theirfull-length nature has yet to be determined.

PCDHA1 Antibody (Center) Blocking Peptide - References

Lachman, H.M., et al. Psychiatr. Genet. 18(3):110-115(2008)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)