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PCDHA10 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP17477b

Specification

PCDHA10 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9Y5I2

PCDHA10 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 56139

Other Names
Protocadherin alpha-10, PCDH-alpha-10, PCDHA10, CNRS8

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.

PCDHA10 Antibody (C-term) Blocking Peptide - Protein Information

Name PCDHA10

Synonyms CNRS8

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

PCDHA10 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

PCDHA10 Antibody (C-term) Blocking Peptide - Images

PCDHA10 Antibody (C-term) Blocking Peptide - Background

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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.

PCDHA10 Antibody (C-term) Blocking Peptide - References

Wu, C., et al. Proteomics 7(11):1775-1785(2007)Schmutz, J., et al. Nature 431(7006):268-274(2004)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)