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# PCDHA5 Antibody (Center) Blocking peptide
**Synthetic peptide**
**Catalog # BP12003c**

## Specification

### PCDHA5 Antibody (Center) Blocking peptide - Product Information

Primary Accession Q9Y5H7

### PCDHA5 Antibody (Center) Blocking peptide - Additional Information

**Gene ID** 56143

**Other Names**
Protocadherin alpha-5, PCDH-alpha-5, PCDHA5, CNRS6

**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.

### PCDHA5 Antibody (Center) Blocking peptide - Protein Information

**Name** PCDHA5

**Synonyms** CNRS6

**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

### PCDHA5 Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

### PCDHA5 Antibody (Center) Blocking peptide - Images

### PCDHA5 Antibody (Center) 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.

**PCDHA5 Antibody (Center) Blocking peptide - References**

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)Wu, Q., et al. Proc. Natl. Acad. Sci. U.S.A. 97(7):3124-3129(2000)