

**PCDHB12 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12331b**

**Specification**

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**PCDHB12 Antibody (C-term) Blocking peptide - Product Information**

Primary Accession [Q9Y5F1](#)

**PCDHB12 Antibody (C-term) Blocking peptide - Additional Information**

**Gene ID** 56124

**Other Names**

Protocadherin beta-12, PCDH-beta-12, PCDHB12

**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.

**PCDHB12 Antibody (C-term) Blocking peptide - Protein Information**

**Name** PCDHB12

**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

**PCDHB12 Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**PCDHB12 Antibody (C-term) Blocking peptide - Images**

**PCDHB12 Antibody (C-term) Blocking peptide - Background**

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

tandemly linked on chromosome five. The gene clusters demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The beta cluster contains 16 genes and 3 pseudogenes, each encoding 6 extracellular cadherin domains and a cytoplasmic tail that deviates from others in the cadherin superfamily. The extracellular domains interact in a homophilic manner to specify differential cell-cell connections. Unlike the alpha and gamma clusters, the transcripts from these genes are made up of only one large exon, not sharing common 3' exons as expected. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins. Their specific functions are unknown but they most likely play a critical role in the establishment and function of specific cell-cell neural connections.

#### **PCDHB12 Antibody (C-term) Blocking peptide - References**

Vanhalst, K., et al. FEBS Lett. 495 (1-2), 120-125 (2001) ; Wu, Q., et al. Genome Res. 11(3):389-404(2001) Nolllet, 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)