

### CDH12 Antibody (N-term) Blocking Peptide

Synthetic peptide Catalog # BP1473a

#### **Specification**

CDH12 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession <u>P55289</u>

CDH12 Antibody (N-term) Blocking Peptide - Additional Information

**Gene ID** 1010

#### **Other Names**

Cadherin-12, Brain cadherin, BR-cadherin, Neural type cadherin 2, N-cadherin 2, CDH12

#### Target/Specificity

The synthetic peptide sequence used to generate the antibody <a href=/product/pr oducts/AP1473a>AP1473a</a> was selected from the N-term region of human CDH12. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

#### **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.

CDH12 Antibody (N-term) Blocking Peptide - Protein Information

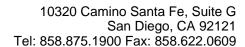
Name CDH12

### CDH12 Antibody (N-term) Blocking Peptide - Background

CDH12 is a type II classical cadherin from the cadherin superfamily of integral membrane proteins that mediate calcium-dependent cell-cell adhesion. Mature cadherin proteins are composed of a large N-terminal extracellular domain, a single membrane-spanning domain, and a small, highly conserved C-terminal cytoplasmic domain. Type II (atypical) cadherins are defined based on their lack of a HAV cell adhesion recognition sequence specific to type I cadherins. This particular cadherin appears to be expressed specifically in the brain and its temporal pattern of expression would be consistent with a role during a critical period of neuronal development, perhaps specifically during synaptogenesis.

# CDH12 Antibody (N-term) Blocking Peptide - References

Shimoyama, Y., Biochem. J. 349 (PT 1), 159-167 (2000) Chalmers, I.J., Genomics 57 (1), 160-163 (1999) Kremmidiotis, G., Genomics 49 (3), 467-471 (1998) Selig, S., Proc. Natl. Acad. Sci. U.S.A. 94 (6), 2398-2403 (1997)





#### **Function**

Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types.

**Cellular Location**Cell membrane; Single-pass type I membrane protein

Tissue Location Brain.

## CDH12 Antibody (N-term) Blocking Peptide - Protocols

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

• Blocking Peptides