

CDH10 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP1482c**Specification**

CDH10 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9Y6N8](#)**CDH10 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 1008**Other Names**

Cadherin-10, T2-cadherin, CDH10

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP1482c](/product/products/AP1482c) was selected from the N-term region of human CDH10. 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.

CDH10 Antibody (N-term) Blocking Peptide - Protein Information**Name** CDH10**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

Predominantly expressed in brain. Also found in adult and fetal kidney. Very low levels detected in prostate and fetal lung.

CDH10 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CDH10 Antibody (N-term) Blocking Peptide - Images

CDH10 Antibody (N-term) Blocking Peptide - Background

CDH10 is a type II classical cadherin from the cadherin superfamily, 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. The extracellular domain consists of 5 subdomains, each containing a cadherin motif, and appears to determine the specificity of the protein's homophilic cell adhesion activity. 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 is predominantly expressed in brain and is putatively involved in synaptic adhesions, axon outgrowth and guidance.

CDH10 Antibody (N-term) Blocking Peptide - References

Kools,P., FEBS Lett. 452 (3), 328-334 (1999)