

CDH11 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP2772b**Specification**

CDH11 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P55287](#)**CDH11 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 1009**Other Names**

Cadherin-11, OSF-4, Osteoblast cadherin, OB-cadherin, CDH11

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2772b](/products/AP2772b) was selected from the C-term region of human CDH11. 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.

CDH11 Antibody (C-term) Blocking Peptide - Protein Information**Name** CDH11**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. Required for proper focal adhesion assembly (PubMed: [33811546](http://www.uniprot.org/citations/33811546)). Involved in the regulation of cell migration (PubMed: [33811546](http://www.uniprot.org/citations/33811546)).

Cellular Location

Cell membrane; Single-pass type I membrane protein

Tissue Location

Expressed mainly in brain but also found in other tissues. Expressed in neuroblasts. In the embryo

from 67 to 72 days of gestation, detected at high levels in facial mesenchyme including the central palatal mesenchyme, dental mesenchyme, the eye and optic muscle, and the tongue (at protein level) (PubMed:33811546)

CDH11 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CDH11 Antibody (C-term) Blocking Peptide - Images

CDH11 Antibody (C-term) Blocking Peptide - Background

CDH11 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. Type II (atypical) cadherins are defined based on their lack of a HAV cell adhesion recognition sequence specific to type I cadherins. Expression of this particular cadherin in osteoblastic cell lines, and its upregulation during differentiation, suggests a specific function in bone development and maintenance.

CDH11 Antibody (C-term) Blocking Peptide - References

Chu,K., Mol. Cancer Res. 6 (8), 1259-1267 (2008) Tamura,D., Int. J. Oncol. 33 (1), 17-24 (2008) Getsios,S., Dev. Dyn. 211 (3), 238-247 (1998)