

**CDH11 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP18528b****Specification**

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

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

**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:&lt;a href="http://www.uniprot.org/citations/33811546" target="\_blank"&gt;33811546&lt;/a&gt;). Involved in the regulation of cell migration (PubMed:&lt;a href="http://www.uniprot.org/citations/33811546" target="\_blank"&gt;33811546&lt;/a&gt;).

**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**

This gene encodes 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**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Sachdeva, M., et al. Cancer Res. 70(1):378-387(2010) Canova, C., et al. Cancer Res. 69(7):2956-2965(2009) Farina, A.K., et al. PLoS ONE 4 (3), E4797 (2009) : Brieger, J., et al. APMIS 116(12):1050-1057(2008)