

**Claudin 2 (CLDN2) Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP6309a****Specification**

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**Claudin 2 (CLDN2) Antibody (N-term) Blocking peptide - Product Information**

Primary Accession [P57739](#)  
Other Accession [NP\\_065117](#)

**Claudin 2 (CLDN2) Antibody (N-term) Blocking peptide - Additional Information**

**Gene ID** 9075

**Other Names**  
Claudin-2, SP82, CLDN2

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6309a](/products/AP6309a) was selected from the N-term region of human CLDN2. 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.

**Claudin 2 (CLDN2) Antibody (N-term) Blocking peptide - Protein Information**

**Name** CLDN2

**Function**

Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity.

**Cellular Location**

Cell junction, tight junction {ECO:0000250|UniProtKB:O88552}. Cell membrane {ECO:0000250|UniProtKB:O88552}; Multi-pass membrane protein {ECO:0000250|UniProtKB:O88552}

**Claudin 2 (CLDN2) Antibody (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **Claudin 2 (CLDN2) Antibody (N-term) Blocking peptide - Images**

#### **Claudin 2 (CLDN2) Antibody (N-term) Blocking peptide - Background**

Members of the claudin protein family, such as CLDN2, are expressed in an organ-specific manner and regulate the tissue-specific physiologic properties of tight junctions.

#### **Claudin 2 (CLDN2) Antibody (N-term) Blocking peptide - References**

Morita,K., Proc. Natl. Acad. Sci. U.S.A. 96 (2), 511-516 (1999)Furuse,M., J. Cell Biol. 141 (7), 1539-1550 (1998)