

**CLDN2 Antibody (C-term Y195) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12632b****Specification**

---

**CLDN2 Antibody (C-term Y195) Blocking peptide - Product Information**Primary Accession [P57739](#)**CLDN2 Antibody (C-term Y195) Blocking peptide - Additional Information****Gene ID** 9075**Other Names**

Claudin-2, SP82, CLDN2

**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.

**CLDN2 Antibody (C-term Y195) 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}

**CLDN2 Antibody (C-term Y195) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**CLDN2 Antibody (C-term Y195) Blocking peptide - Images****CLDN2 Antibody (C-term Y195) Blocking peptide - Background**

This gene product belongs to the claudin protein family whose members have been identified as major integral membrane proteins localized exclusively at tight junctions. Claudins are expressed in an organ-specific manner and regulate tissue-specific physiologic properties of tight junctions. This protein is expressed in the intestine. Alternatively spliced transcript variants with different 5' untranslated regions have been found for this gene.

#### **CLDN2 Antibody (C-term Y195) Blocking peptide - References**

Smith, A.J., et al. J. Acquir. Immune Defic. Syndr. 55(3):306-315(2010) Kojima, F., et al. Oncol. Rep. 23(4):927-931(2010) Szakal, D.N., et al. Virchows Arch. 456(3):245-250(2010) Buchert, M., et al. Proc. Natl. Acad. Sci. U.S.A. 107(6):2628-2633(2010) Mankertz, J., et al. Cell Tissue Res. 336(1):67-77(2009)