

Phospho-CLDN2(Y195) Antibody Blocking peptide
Synthetic peptide
Catalog # BP3638a**Specification**

Phospho-CLDN2(Y195) Antibody Blocking peptide - Product Information

Primary Accession [P57739](#)
Other Accession [NP_065117](#)

Phospho-CLDN2(Y195) Antibody Blocking peptide - Additional Information

Gene ID 9075

Other Names
Claudin-2, SP82, CLDN2

Target/Specificity
The synthetic peptide sequence used to generate the antibody [AP3638a](/products/AP3638a) was selected from the region of human Phospho-CLDN2-pY195. 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.

Phospho-CLDN2(Y195) Antibody 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}

Phospho-CLDN2(Y195) Antibody Blocking peptide - Protocols

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

- [Blocking Peptides](#)

Phospho-CLDN2(Y195) Antibody Blocking peptide - Images

Phospho-CLDN2(Y195) Antibody 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.

Phospho-CLDN2(Y195) Antibody 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)