

**Phospho-CLDN2(Y224) Antibody Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP3639a****Specification**

---

**Phospho-CLDN2(Y224) Antibody Blocking peptide - Product Information**

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

**Phospho-CLDN2(Y224) 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 [AP3639a](/products/AP3639a) was selected from the region of human Phospho-CLDN2-pY224. 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(Y224) 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(Y224) Antibody Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **Phospho-CLDN2(Y224) Antibody Blocking peptide - Images**

#### **Phospho-CLDN2(Y224) 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(Y224) 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)