

**Phospho-CLDN2(Y224) Antibody**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP3639a**

**Specification**

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

Application	DB,E
Primary Accession	<a href="#">P57739</a>
Other Accession	<a href="#">NP_065117</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	24549

**Phospho-CLDN2(Y224) Antibody - Additional Information**

**Gene ID** 9075

**Other Names**

Claudin-2, SP82, CLDN2

**Target/Specificity**

This CLDN2 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Y224 of human CLDN2.

**Dilution**

DB~~1:500

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Phospho-CLDN2(Y224) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Phospho-CLDN2(Y224) Antibody - Protein Information**

**Name** CLDN2

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

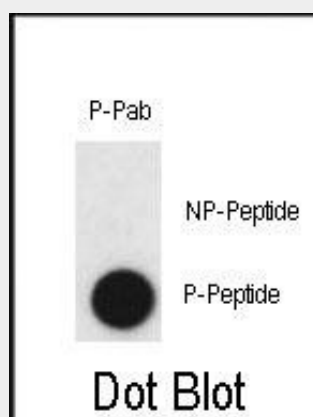
**Cellular Location**

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 - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Phospho-CLDN2(Y224) Antibody - Images**

Dot blot analysis of anti-Phospho-CLDN2-pY224 Antibody (Cat.#AP3639a) on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5ug per ml.

**Phospho-CLDN2(Y224) Antibody - 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 - 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)