

Claudin 2 (CLDN2) Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6309a**Specification**

Claudin 2 (CLDN2) Antibody (N-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	P57739
Other Accession	O88552 , Q765P1 , NP_065117
Reactivity	Human
Predicted	Bovine, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	135-164

Claudin 2 (CLDN2) Antibody (N-term) - Additional Information**Gene ID** 9075**Other Names**

Claudin-2, SP82, CLDN2

Target/Specificity

This Claudin 2 (CLDN2) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 135-164 amino acids from the N-terminal region of human Claudin 2 (CLDN2).

Dilution

WB~~1:1000

IHC-P~~1:10~50

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

Claudin 2 (CLDN2) Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Claudin 2 (CLDN2) Antibody (N-term) - 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

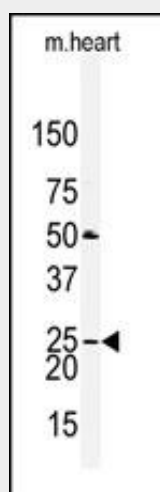
Cell junction, tight junction {ECO:0000250|UniProtKB:O88552}. Cell membrane {ECO:0000250|UniProtKB:O88552}; Multi-pass membrane protein {ECO:0000250|UniProtKB:O88552}

Claudin 2 (CLDN2) Antibody (N-term) - Protocols

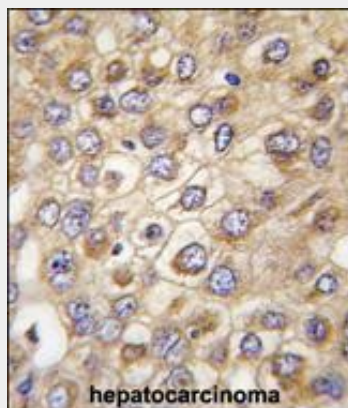
Provided below are standard protocols that you may find useful for product applications.

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

Claudin 2 (CLDN2) Antibody (N-term) - Images



Western blot analysis of anti-CLDN2 Antibody (N-term) (Cat. #AP6309a) in mouse heart tissue lysates (35ug/lane). CLDN2 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with CLDN2 (Human N-term) (Cat.#AP6309a), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Claudin 2 (CLDN2) Antibody (N-term) - 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) - 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)