

CLDN8 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP9222c

Specification

CLDN8 Antibody (Center) - Product Information

C, WB,E
56748
uman
abbit
olyclonal
abbit IgG
40-166

CLDN8 Antibody (Center) - Additional Information

Gene ID 9073

Other Names Claudin-8, CLDN8

Target/Specificity

This CLDN8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 140-166 amino acids from the Central region of human CLDN8.

Dilution $FC \sim 1:10 \sim 50$ $WB \sim 1:1000$ $E \sim Use at an assay dependent concentration.$

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 CLDN8 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

CLDN8 Antibody (Center) - Protein Information

Name CLDN8 {ECO:0000303|PubMed:36008380, ECO:0000312|HGNC:HGNC:2050}

Function Can associate with other claudins to regulate tight junction structural and functional strand dynamics (By similarity). May coassemble with CLDN4 into tight junction strands containing



anion- selective channels that convey paracellular chloride permeability in renal collecting ducts (By similarity) (PubMed:<u>36008380</u>). Cannot form tight junction strands on its own (PubMed:<u>36008380</u>).

Cellular Location

Cell junction, tight junction. Cell membrane {ECO:0000250|UniProtKB:Q9Z260}; Multi-pass membrane protein. Note=Localizes to tight junctions in all 3 segments of the epididymis, in the caput found in the lateral margins of principal cells, and in the corpus at the interface between basal and principal cells.

Tissue Location

Expressed in the epididymis, mainly in the caput segment.

CLDN8 Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

CLDN8 Antibody (Center) - Images



Western blot analysis of CLDN8 Antibody (Center) (Cat. #AP9222c) in 293 cell line lysates (35ug/lane). CLDN8 (arrow) was detected using the purified Pab.





CLDN8 Antibody (Center) (Cat. #AP9222c) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

CLDN8 Antibody (Center) - Background

CLDN8 is components of epithelial cell tight junctions. Tight junctions regulate movement of solutes and ions through the paracellular space and prevent mixing of proteins and lipids in the outer leaflet of the apical and basolateral plasma membrane domains

CLDN8 Antibody (Center) - References

Kim,S.S., et.al., Histopathology 54 (5), 633-635 (2009) Osunkoya,A.O., et.al, Hum. Pathol. 40 (2), 206-210 (2009) CLDN8 Antibody (Center) - Citations

<u>Claudin 8 Contributes to Malignant Proliferation in Human Osteosarcoma U2OS Cells.</u>