10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CLDN8 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP9222c

Specification

CLDN8 Antibody (Center) Blocking Peptide - Product Information

Primary Accession P56748

CLDN8 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 9073

Other Names
Claudin-8, CLDN8

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP9222c was selected from the Center region of human CLDN8. 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.

CLDN8 Antibody (Center) Blocking Peptide - Protein Information

Name CLDN8 (HGNC:2050)

Function
Tight-junction protein required for paracellular chloride transport in the kidney. Mediates recruitment of CLDN4 to tight junction in the kidney. Claudins play a major role in tight junction-specific obliteration of the intercellular space, through calcium- independent cell-adhesion activity.

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.

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CLDN8 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

CLDN8 Antibody (Center) Blocking Peptide - Images

CLDN8 Antibody (Center) Blocking Peptide - 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) Blocking Peptide - References

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