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

CLDN15 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP9831c

Specification

CLDN15 Antibody (Center) Blocking Peptide - Product Information

Primary Accession P56746

CLDN15 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 24146

Other Names
Claudin-15, CLDN15

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.

CLDN15 Antibody (Center) Blocking Peptide - Protein Information

Name CLDN15 (HGNC:2036)

Function
Forms paracellular channels: polymerizes in tight junction strands with cation- and water-selective channels through the strands, conveying epithelial permeability in a process known as paracellular tight junction permeability (PubMed:12055082, PubMed:13129853, PubMed:31188544, PubMed:35650657, PubMed:36008380). In intestinal epithelium, allows for sodium and water fluxes from the peritoneal side to the lumen of the intestine to regulate nutrient absorption and intestinal morphogenesis (By similarity).

Cellular Location
Cell junction, tight junction. Cell membrane; Multi-pass membrane protein

Tissue Location
Detected in colon (at protein level).

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CLDN15 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

CLDN15 Antibody (Center) Blocking Peptide - Images

CLDN15 Antibody (Center) Blocking Peptide - Background

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

CLDN15 Antibody (Center) Blocking Peptide - References

Van Itallie, C.M., et al. Am. J. Physiol. Renal Physiol. 285 (6), F1078-F1084 (2003)
Gonzalez-Mariscal, L., et al. Prog. Biophys. Mol. Biol. 81(1):1-44(2003)Tsukita, S., et al. Curr. Opin. Cell Biol. 14(5):531-536(2002)Colegio, O.R., et al. Am. J. Physiol., Cell Physiol. 283 (1), C142-C147 (2002)