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

# CLDN4 Antibody (C-term) Blocking Peptide

**Synthetic peptide**
**Catalog # BP9615b**

## Specification

### CLDN4 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession O14493

### CLDN4 Antibody (C-term) Blocking Peptide - Additional Information

**Gene ID** 1364

**Other Names**
Claudin-4, Clostridium perfringens enterotoxin receptor, CPE-R, CPE-receptor, Williams-Beuren syndrome chromosomal region 8 protein, CLDN4, CPER, CPETR1, WBSCR8

**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.

### CLDN4 Antibody (C-term) Blocking Peptide - Protein Information

**Name** CLDN4

**Function**
Channel-forming tight junction protein that mediates paracellular chloride transport in the kidney. Plays a critical role in the paracellular reabsorption of filtered chloride in the kidney collecting ducts. 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 {ECO:0000250|UniProtKB:O35054}. Cell membrane; Multi-pass membrane protein. Note=CLDN4 is required for tight junction localization in the kidney. {ECO:0000250|UniProtKB:O35054}

### CLDN4 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

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## CLDN4 Antibody (C-term) Blocking Peptide - Images

## CLDN4 Antibody (C-term) Blocking Peptide - Background

CLDN4 is an integral membrane protein, which belongs to the claudin family. The protein is a component of tight junction strands and may play a role in internal organ development and function during pre- and postnatal life.

## CLDN4 Antibody (C-term) Blocking Peptide - References

Papageorgis, P., et al. Cancer Res. 70(3):968-978(2010)Kimura, J., et al. J. Biol. Chem. 285(1):401-408(2010)Robertson, S.L., et al. Infect. Immun. 78(1):505-517(2010)Seckin, Y., et al. Acta Gastroenterol. Belg. 72(4):407-412(2009)