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CLDN4 Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI10097

Specification

CLDN4 Antibody - C-terminal region - Product Information

Application	**WB**
Primary Accession	O14493
Other Accession	O14493, NP_001296, NM_001305
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Sheep, Bovine**
Predicted	**Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Sheep, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**22 kDa KDa**

CLDN4 Antibody - C-terminal region - Additional Information

Gene ID 1364

Alias Symbol	**CPE-R, CPER, CPETR, CPETR1, WBSCR8, hCPE-R**

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

Target/Specificity
This gene encodes 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. This gene is deleted in Williams-Beuren syndrome, a neurodevelopmental disorder affecting multiple systems.

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-CLDN4 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

Precautions
CLDN4 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

CLDN4 Antibody - C-terminal region - Protein Information

Name CLDN4 {ECO:0000303|PubMed:35773259, ECO:0000312|HGNC:HGNC:2046}

Function
Can associate with other claudins to regulate tight junction structural and functional strand dynamics (PubMed:35773259, PubMed:36008380). May coassemble with CLDN8 into tight junction strands containing anion-selective channels that convey paracellular chloride permeability in renal collecting ducts (By similarity) (PubMed:36008380). May integrate into CLDN3 strands to modulate localized tight junction barrier properties (PubMed:35773259, PubMed:36008380). May disrupt strand assembly of channel-forming CLDN2 and CLDN15 and inhibit cation conductance (PubMed:35773259, PubMed:36008380). Cannot form tight junction strands on its own (PubMed:35773259, PubMed:36008380).

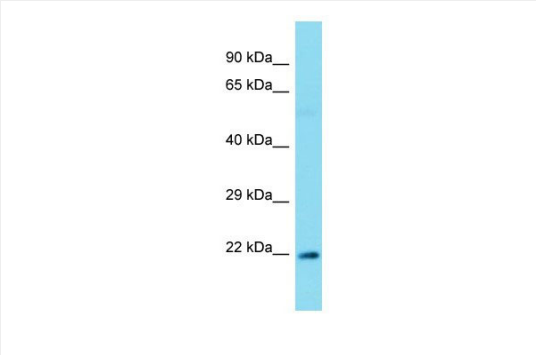
Cellular Location
Cell junction, tight junction. Cell membrane; Multi-pass membrane protein

CLDN4 Antibody - C-terminal region - 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
- Cell Culture

CLDN4 Antibody - C-terminal region - Images



CLDN4 Antibody - C-terminal region (AI10097) in Human large intestine Tumor cells using Western Blot
Host: Rabbit
Target Name: CLDN4
Sample Tissue: large intestine Tumor lysates
Antibody Dilution: 1.0µg/ml

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CLDN4 Antibody - C-terminal region - Background

This is a rabbit polyclonal antibody against CLDN4. It was validated on Western Blot by Abgent. At Abgent we manufacture rabbit polyclonal antibodies on a large scale (200-1000 products/month) of high throughput manner. Our antibodies are peptide based and protein family oriented. We usually provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire (sales@abgent.com).