

CLDN4 / Claudin 4 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS15657**Specification**

CLDN4 / Claudin 4 Antibody (C-Terminus) - Product Information

Application	IF, WB
Primary Accession	O14493
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22kDa KDa

CLDN4 / Claudin 4 Antibody (C-Terminus) - 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

Target/Specificity

Human CLDN4 / Claudin 4. At least four isoforms of CLAUDIN4 are known to exist; CLAUDIN4 antibody will detect all four isoforms.

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

CLDN4 / Claudin 4 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

CLDN4 / Claudin 4 Antibody (C-Terminus) - 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

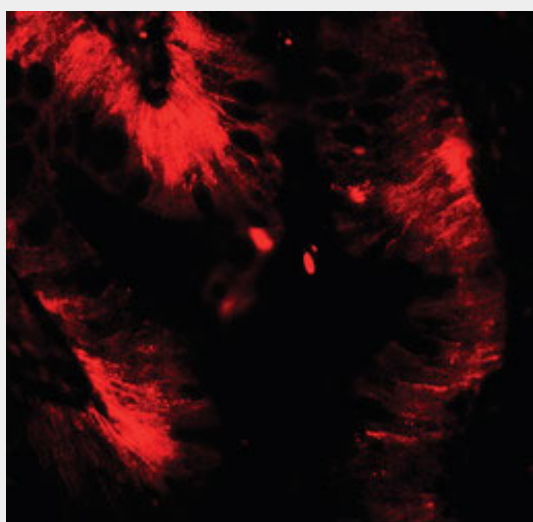
Cell junction, tight junction {ECO:0000250|UniProtKB:O35054}. Cell membrane; Multi-pass membrane protein. Note=CLDN4 is required for tight junction localization in the kidney. {ECO:0000250|UniProtKB:O35054}

CLDN4 / Claudin 4 Antibody (C-Terminus) - Protocols

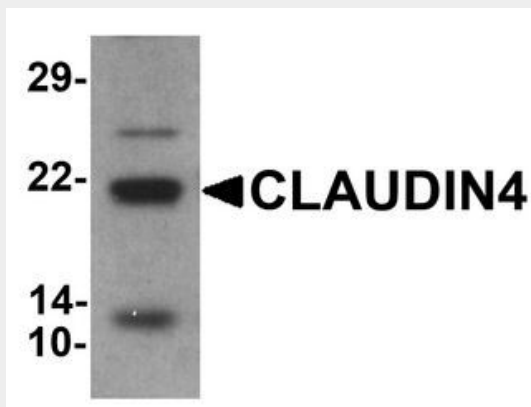
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CLDN4 / Claudin 4 Antibody (C-Terminus) - Images



Immunofluorescence of CLAUDIN4 in human colon tissue with CLAUDIN4 antibody at 20 ug/ml.



Western blot analysis of CLAUDIN4 in human colon tissue lysate with CLAUDIN4 antibody at 1 ug/ml

CLDN4 / Claudin 4 Antibody (C-Terminus) - Background

Plays a major role in tight junction-specific obliteration of the intercellular space.

CLDN4 / Claudin 4 Antibody (C-Terminus) - References

Katahira J.,et al.J. Biol. Chem. 272:26652-26658(1997).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Tanaka M.,et al.J. Biol. Chem. 280:42375-42382(2005).
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).