

CLDN4 / Claudin 4 Antibody (aa160-209)
Rabbit Polyclonal Antibody
Catalog # ALS15421**Specification**

CLDN4 / Claudin 4 Antibody (aa160-209) - Product Information

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

CLDN4 / Claudin 4 Antibody (aa160-209) - 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

Claudin 4 Antibody detects endogenous levels of total Claudin 4 protein.

Reconstitution & Storage

Store at -20°C for up to one year.

Precautions

CLDN4 / Claudin 4 Antibody (aa160-209) is for research use only and not for use in diagnostic or therapeutic procedures.

CLDN4 / Claudin 4 Antibody (aa160-209) - 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}

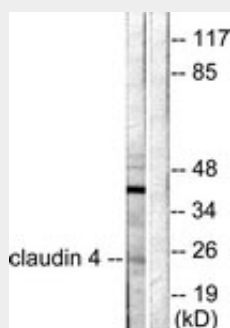
Volume

50 µl

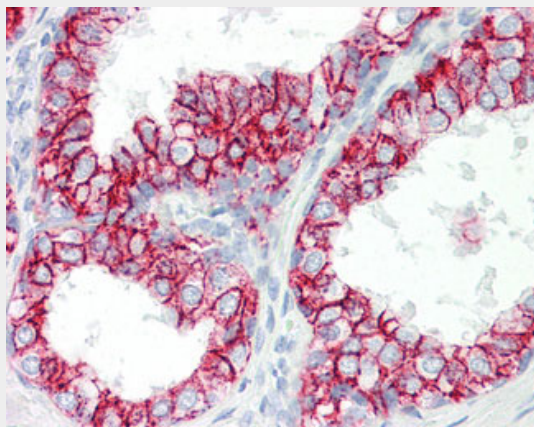
CLDN4 / Claudin 4 Antibody (aa160-209) - Protocols

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 (aa160-209) - Images

Western blot of extracts from HeLa cells, using Claudin 4 Antibody.



Anti-CLDN4 / Claudin 4 antibody IHC of human prostate.

CLDN4 / Claudin 4 Antibody (aa160-209) - Background

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

CLDN4 / Claudin 4 Antibody (aa160-209) - References

Katahira J., et al. J. Biol. Chem. 272:26652-26658(1997).
Kalnina 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).