

Claudin 4 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51094**Specification**

Claudin 4 Antibody - Product Information

Application	WB
Primary Accession	O14493
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22 KDa
Antigen Region	141 - 200

Claudin 4 Antibody - 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

KLH conjugated synthetic peptide derived from human Claudin 4

Dilution

WB~~ 1:1000

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Claudin 4 Antibody - 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

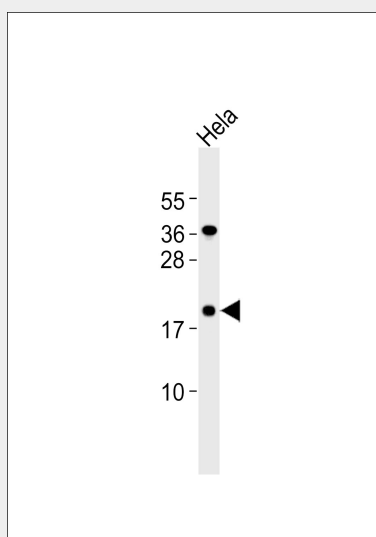
Cell junction, tight junction {ECO:0000250|UniProtKB:O35054}. Cell membrane; Multi-pass membrane protein. Note=CLDN4 is required for tight junction localization in the kidney. {ECO:0000250|UniProtKB:O35054}

Claudin 4 Antibody - 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](#)

Claudin 4 Antibody - Images



Anti-Claudin 4 Antibody at 1:1000 dilution + HeLa whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 22 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Claudin 4 Antibody - Background

Plays a major role in tight junction-specific obliteration of the intercellular space (By similarity).

Claudin 4 Antibody - 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).