

Claudin-4 Polyclonal Antibody
Catalog # AP69134**Specification**

Claudin-4 Polyclonal Antibody - Product Information

| | |
|-------------------|------------------------|
| Application | WB |
| Primary Accession | O14493 |
| Reactivity | Human, Mouse, Rat |
| Host | Rabbit |
| Clonality | Polyclonal |

Claudin-4 Polyclonal Antibody - Additional Information**Gene ID** 1364**Other Names**

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

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

Claudin-4 Polyclonal 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

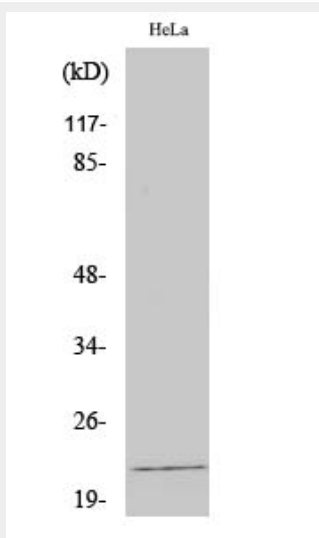
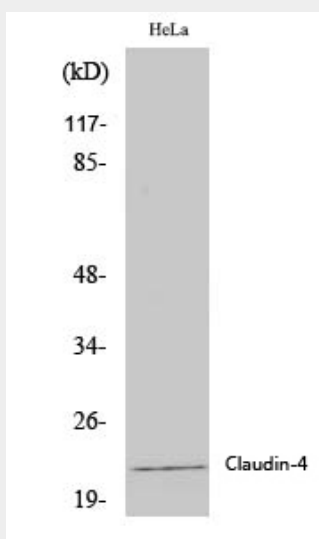
Cell junction, tight junction {ECO:0000250|UniProtKB:O35054}. Cell membrane; Multi-pass membrane protein. Note=CLDN4 is required for tight junction localization in the kidney. {ECO:0000250|UniProtKB:O35054}

Claudin-4 Polyclonal 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 Polyclonal Antibody - Images



Claudin-4 Polyclonal Antibody - Background

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.