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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

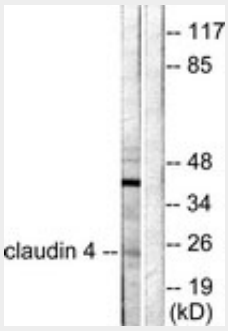
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CLDN4 / Claudin 4 Antibody (aa160-209) - Protocols

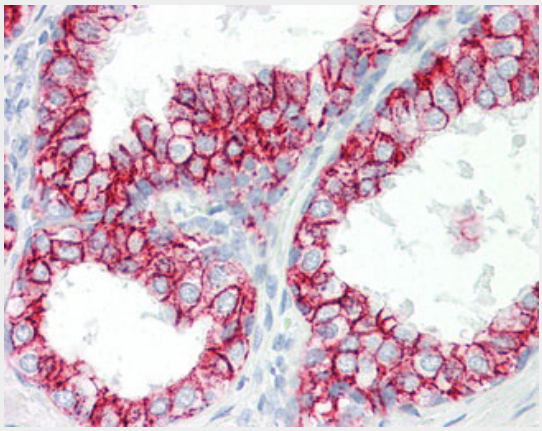
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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).
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).