

CLDN4 Rabbit pAb

Catalog No.: A12912 **2 Publications**

Basic Information

Observed MW

18kDa

Calculated MW

22kDa

Category

Primary antibody

Applications

WB,IHC-P,ELISA

Cross-Reactivity

Human

Background

The protein encoded by this intronless gene belongs to the claudin family. Claudins are integral membrane proteins that are components of the epithelial cell tight junctions, which regulate movement of solutes and ions through the paracellular space. This protein is a high-affinity receptor for Clostridium perfringens enterotoxin (CPE) and may play a role in internal organ development and function during pre- and postnatal life. This gene is deleted in Williams-Beuren syndrome, a neurodevelopmental disorder affecting multiple systems.

Recommended Dilutions

WB 1:2000 - 1:4000**IHC-P** 1:50 - 1:100**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

1364

Swiss Prot

O14493

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 109-209 of human CLDN4 (NP_001296.1).

Synonyms

CPER; CPE-R; CPETR; CPETR1; WBSCR8; hCPE-R; CLDN4

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

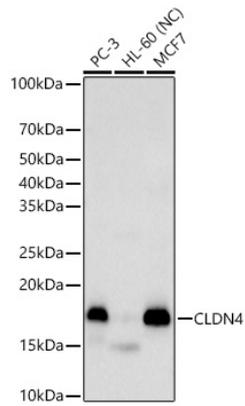
Affinity purification

Storage

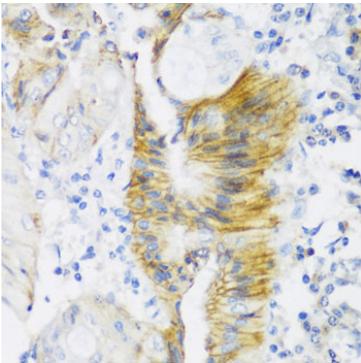
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates, using CLDN4 Rabbit pAb (A12912) at 1:4000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): HL-60
Exposure time: 30s.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using CLDN4 Rabbit pAb (A12912) at dilution of 1:150 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.