



Claudin 4 Rabbit mAb

Catalog No	YP-rAb-17190
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,IP,ELISA
Gene Name	CLDN4
Protein Name	Claudin-4
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:100-1:500; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	CLDN4 ; CPER ; CPETR1 ; WBSCR8 ; Claudin-4 ; Clostridium perfringens enterotoxin receptor ; CPE-R ; CPE-receptor ; Williams-Beuren syndrome chromosomal region 8 protein
Observed Band	18kD
Calculated Molecular Weight	22kD
Cell Pathway	Cell junction, tight junction . Cell membrane ; Multi-pass membrane protein . CLDN4 is required for tight junction localization in the kidney. .
Tissue Specificity	Colon,Fetal brain,Trachea,
Function	Disease:Haploinsufficiency of CLDN4 may be the cause of certain cardiovascular and musculo-skeletal abnormalities observed in Williams-Beuren syndrome (WBS), a rare developmental disorder. It is a contiguous gene deletion syndrome involving genes from chromosome band 7q11.23.,Function:Plays a major role in tight junction-specific obliteration of the intercellular space.,similarity:Belongs to the claudin family.,subunit:Directly interacts with TJP1/ZO-1, TJP2/ZO-2 and TJP3/ZO-3.,
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

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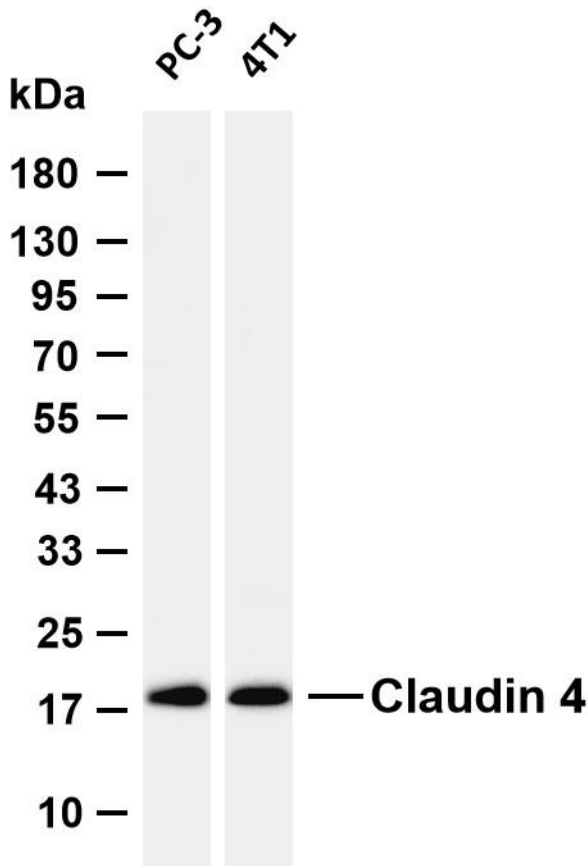
paracellular space. This protein is a high-affinity receptor for Clostridium perfringens enterotoxin (CPE) and may play a role in internal organ development and function during pre- and postnatal life. This gene is deleted in Williams-Beuren syndrome, a neurodevelopmental disorder affecting multiple systems. [provided by RefSeq, Sep 2013],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Claudin 4 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: PC-3 Lane 2: 4T1 Predicted band size: 22kDa Observed band size: 18kDa

