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Claudin 4 Antibody

Rabbit mAb
Catalog # AP91567

Product Information

Application	WB, IHC, IP
Primary Accession	O14493
Reactivity	Human
Clonality	Monoclonal
Other Names	CLD4; CLDN4; CPE- receptor; CPE-R; CPER; CPETR1; Clostridium perfringens enterotoxin receptor; WBSCR8; Williams-Beuren syndrome chromosome region 8 protein;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	22077

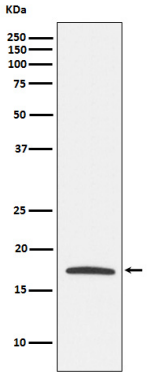
Additional Information

Dilution	WB 1:500~1:1000 IHC 1:100~1:500 IP 1:20
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Claudin 4
Description	Plays a major role in tight junction-specific obliteration of the intercellular space.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	CLDN4 {ECO:0000303|PubMed:35773259, ECO:0000312|HGNC:HGNC:2046}
Function	Can associate with other claudins to regulate tight junction structural and functional strand dynamics (PubMed:35773259, PubMed:36008380). May coassemble with CLDN8 into tight junction strands containing anion-selective channels that convey paracellular chloride permeability in renal collecting ducts (By similarity) (PubMed:36008380). May integrate into CLDN3 strands to modulate localized tight junction barrier properties (PubMed:35773259, PubMed:36008380). May disrupt strand assembly of channel-forming CLDN2 and CLDN15 and inhibit cation conductance (PubMed:35773259, PubMed:36008380). Cannot form tight junction strands on its own (PubMed:35773259, PubMed:36008380).
Cellular Location	Cell junction, tight junction. Cell membrane; Multi-pass membrane protein

Images



Western blot analysis of Claudin 4 expression in MCF7 cell lysate.

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