

Claudin 4 Antibody
Rabbit mAb
Catalog # AP91567

Specification

Claudin 4 Antibody - Product Information

Application	WB, IHC, IP
Primary Accession	O14493
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 Da

Claudin 4 Antibody - Additional Information

Dilution	WB~~1:1000 IHC~~1:100~500 IP~~N/A
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.

Claudin 4 Antibody - 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:<a

[35773259](http://www.uniprot.org/citations/35773259), PubMed: [36008380](http://www.uniprot.org/citations/36008380)). Cannot form tight junction strands on its own (PubMed: [35773259](http://www.uniprot.org/citations/35773259), PubMed: [36008380](http://www.uniprot.org/citations/36008380)).

Cellular Location

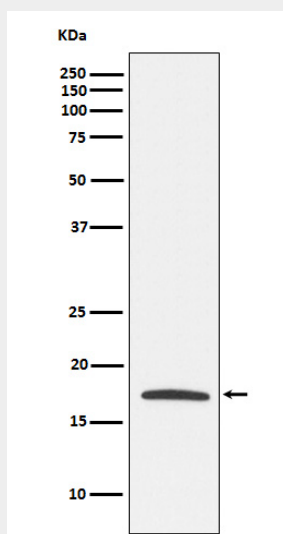
Cell junction, tight junction. Cell membrane; Multi-pass membrane protein

Claudin 4 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 Antibody - Images



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