

# Claudin 4 Antibody

Rabbit mAb

Catalog # AP91567

## Product Information

<b>Application</b>	WB, IHC, IP
<b>Primary Accession</b>	<a href="#">O14493</a>
<b>Reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	CLD4; CLDN4; CPE- receptor; CPE-R; CPER; CPETR1; Clostridium perfringens enterotoxin receptor; WBSR8; Williams-Beuren syndrome chromosome region 8 protein;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	22077

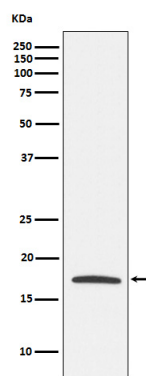
## Additional Information

<b>Dilution</b>	WB 1:500~1:1000 IHC 1:100~1:500 IP 1:20
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human Claudin 4
<b>Description</b>	Plays a major role in tight junction-specific obliteration of the intercellular space.
<b>Storage Condition and Buffer</b>	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

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