

Rabbit CLAUDIN4 Polyclonal Antibody | anti-CLDN4 antibody

CLAUDIN4 Antibody

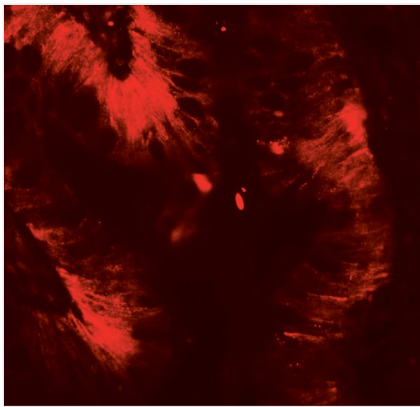
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39421	Rabbit	Human, Mouse, Rat	Immunofluorescence, Western Blot, ELISA

PRODUCT SYNONYMS

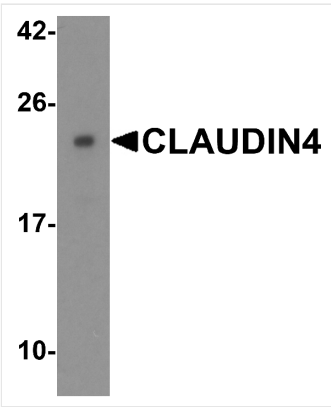
CLAUDIN4; Polyclonal Antibody; CLAUDIN4 Antibody; CPER; CPE-R; CPETR; CPETR1; WBSR8; hCPE-R; Claudin-4; Clostridium perfringens enterotoxin receptor; claudin 4; anti-CLDN4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	At least four isoforms of CLAUDIN4 are known to exist; CLAUDIN4 antibody will detect all four isoforms
Purity/Purification	CLAUDIN4 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	209
Applicable Applications for anti-CLDN4 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	CLAUDIN4 antibody was raised against a 17 amino acid synthetic peptide near the carboxy terminus of human CLAUDIN4.
Buffer	CLAUDIN4 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	CLAUDIN4 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



IF (Immunofluorescence)
Immunofluorescence of CLAUDIN4 in human colon tissue with CLAUDIN4 antibody at 20 μg/mL.



WB (Western Blot)
Western blot analysis of CLAUDIN4 in HeLa cell lysate with CLAUDIN4 antibody at 0.5 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-CLDN4 antibody	CLAUDIN4 Antibody: CLAUDIN4 is an integral membrane protein belonging to the claudin family, a family of cellular adhesion molecules that are components of tight junctions. CLAUDIN4 is a component of tight junction strands and may play a role in internal organ development and function during pre- and postnatal life. The CLAUDIN4 gene is deleted in Williams-Beuren syndrome, a neurodevelopmental disorder affecting multiple systems. CLAUDIN4 is frequently overexpressed in ovarian and other epithelial cancers.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502877
NCBI GeneID	1364
NCBI Accession #	NP_001296
NCBI GenBank Nucleotide #	NM_001305.4
UniProt Accession #	O14493
Molecular Weight	23 kDa
NCBI Official Full Name	claudin-4
NCBI Official Synonym Full Names	claudin 4
NCBI Official Symbol	CLDN4
NCBI Official Synonym Symbols	CPER; CPE-R; CPETR; CPETR1; WBSR8; hCPE-R
NCBI Protein Information	claudin-4; CPE-receptor; Clostridium perfringens enterotoxin receptor 1; Williams-Beuren syndrome chromosomal region 8 protein
UniProt Protein Name	Claudin-4
UniProt Gene Name	CLDN4
UniProt Synonym Gene Names	CPER; CPETR1; WBSR8; CPE-R; CPE-receptor
UniProt Entry Name	CLD4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.