

Rabbit CLDN1 Polyclonal Antibody | anti-CLDN1 antibody

CLDN1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39652	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

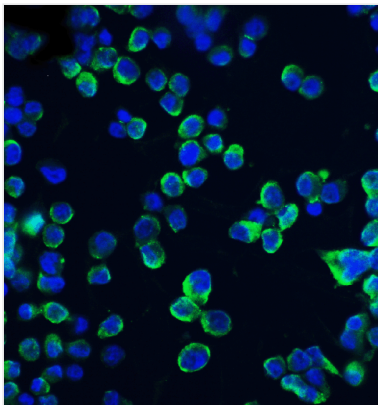
PRODUCT SYNONYMS

CLDN1; Polyclonal Antibody; CLDN1 Antibody; CLD1; SEMP1; ILVASC; UNQ481/PRO944; Claudin-1; Senescence-associated epithelial membrane protein; claudin 1; anti-CLDN1 antibody

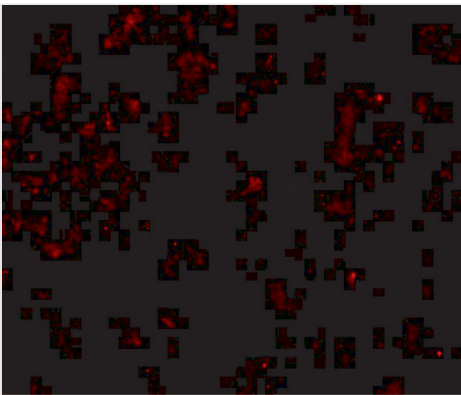
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	CLDN1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	211
Applicable Applications for anti-CLDN1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	CLDN1 antibody was raised against a 20 amino acid synthetic peptide near the carboxy terminus of human CLDN1.
Buffer	CLDN1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	CLDN1 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.

IMAGES



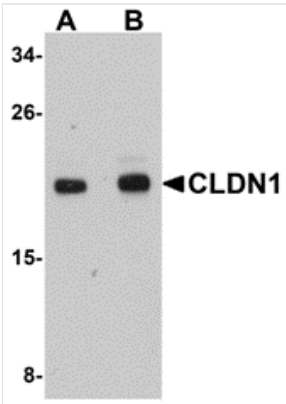
IF (Immunofluorescence)
Immunofluorescence of CLDN1 in HepG2 cells with CLDN1 antibody at 20 μg/mL. Green: CLDN1 Antibody (5187)Blue: DAPI staining



IF (Immunofluorescence)
Immunofluorescence of CLDN1 in HepG2 cells with CLDN1 antibody at 20 μg/mL.



ICC (Immunocytochemistry)
Immunocytochemistry of CLDN1 in HepG2 cells with CLDN1 antibody at 5 μg/mL.



WB (Western Blot)
Western blot analysis of CLDN1 in HepG2 cell lysate with CLDN1 antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-CLDN1 antibody	CLDN1 Antibody: Claudin1 (CLDN1), a member of the claudin family, is an integral membrane protein and a component of tight junction strands. Tight junctions are specialized regions of cell to cell contact consisting of networking strands that act as a molecular gasket for preventing the leakage of ions, water, etc., between cells. They are abundant in luminal epithelial sheets where they maintain epithelial cell polarity. Different tissues exhibit different Claudin composition and CLDN1 expression is often cell type and tissue dependent. Loss of function mutations result in neonatal ichthyosis-sclerosing cholangitis syndrome. CLDN1 and CLDN2 were found to be overexpressed in colonal cancer tissues and may be useful as tumor markers and targets for the treatment of colorectal cancer. Characterization of Claudins expression in human tumors can be an additional tool. Recent studies show that CLDN1 has gastric tumor suppressive activity and is a direct transcriptional target of RUNX3. Along with SCARB1, LDL-R, and the tetraspanin superfamily member CD81, CLDN1 has been reported to be an entry factor for the Hepatitis C virus.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	48146393
NCBI GeneID	9076
UniProt Accession #	O95832
Molecular Weight	22,744 Da
NCBI Official Full Name	CLDN1

NCBI Official Synonym Full Names	claudin 1
NCBI Official Symbol	CLDN1
NCBI Official Synonym Symbols	CLD1; SEMP1; ILVASC
NCBI Protein Information	claudin-1; senescence-associated epithelial membrane protein 1
UniProt Protein Name	Claudin-1
UniProt Gene Name	CLDN1
UniProt Synonym Gene Names	CLD1; SEMP1
UniProt Entry Name	CLD1_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cldn1-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/39652>