

Rabbit CLDN1/Claudin 1 Polyclonal Antibody | anti-CLDN1 antibody

CLDN1/Claudin 1 Rabbit anti-Human Polyclonal Antibody

CATALOG # AAA163122	HOST Rabbit	REACTIVITY Mouse, Rat, Human	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

CLDN1/Claudin 1; Polyclonal Antibody; CLDN1/Claudin 1 Rabbit anti-Human Polyclonal Antibody; PathPlus CLDN1/Claudin 1 Antibody; CLDN1; Claudin-1; Claudin 1; ILVASC; SEMP1; CLD1; anti-CLDN1 antibody

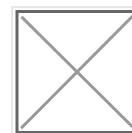
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat, Human
Clonality	Polyclonal
Specificity	Claudin 1 antibody detects endogenous levels of total Claudin 1.
Purity/Purification	Affinity purified
Form/Format	PBS, pH7.4, 150 mM NaCl, 0.02% Sodium Azide, 50% Glycerol
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CLDN1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Target	Human CLDN1/Claudin 1
Immunogen	Synthetic peptide from human Claudin 1.
Conjugation	Unconjugated
Family	Claudin
Preparation and Storage	Store at -20 degree C for up to 1 year.

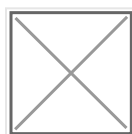
IMAGES



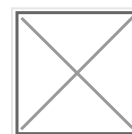
IHC (Immunohistochemistry)
CLDN1/Claudin 1 Antibody-Human Colon: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)
CLDN1/Claudin 1 Antibody-Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)
CLDN1/Claudin 1 Antibody-Human Skin: Formalin-Fixed, Paraffin-Embedded (FFPE)



WB (Western Blot)
CLDN1/Claudin 1 Antibody-Western blot of HeLa cell lysate using Claudin 1 Antibody

ADDITIONAL INFORMATION

Related Product Information for anti-CLDN1 antibody	Claudin 1 antibody is an unconjugated rabbit polyclonal antibody to Claudin 1 (CLDN1) from human. It is reactive with human, mouse and rat. Validated for IHC and WB. CLDN1 (SEMP1) is a membrane protein of the claudin family. It is a component of tight junction complexes that regulate the permeability of epithelia. It is required to prevent the paracellular diffusion of small molecules through these junctions in the epidermis and for the normal barrier function of the skin. It is necessary for normal water homeostasis and to prevent excessive water loss through the skin, likely via an indirect effect on the expression levels of other proteins, since CLDN1 itself seems to be dispensable for water barrier formation in keratinocyte junctions. Additionally, CLDN1 acts as a coreceptor for HCV entry into hepatic cells. In cancer, CLDN1 is a useful target in immunohistochemistry for identifying hemangiopericytoma and meningiomas, perineuriomas, ovarian adenocarcinomas in effusions, and as a general marker for epithelial differentiation. In normal tissue, CLDN1 shows particulate membranous staining in squamous epithelium and positivity in gastrointestinal, immune, endocrine, exocrine, muscle, lung, renal, kidney, breast, skin and reproductive tissues.
References	J Invest Dermatol. 2013 May;133(5):1161-9, PMID: 23407391; Am J Surg Pathol 2002;26:1620, PMID:12459629; Mod Pathol 2005;18:1403, PMID:15920547; Am J Clin Pathol 2007;127:928, PMID:17509990; https://www.ncbi.nlm.nih.gov/pubmed/18520438, Am J Surg Pathol 2008;32:1088, PMID:18520438; Am J Clin Pathol 2006;125:203, PMID:16393681;

NCBI AND UNIPROT INFORMATION

NCBI GI #	10863887
NCBI GeneID	9076
NCBI Accession #	NP_066924.1
NCBI GenBank Nucleotide #	NM_021101
UniProt Accession #	O95832
Molecular Weight	22,744 Da
NCBI Official Full Name	claudin-1
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://stage.aaabiotech.com/polyclonal/cldn1-claudin-1-antibody-western-blot-immunohistochemistry-elisa/163122>