

Rabbit Claudin 1 (CLDN1) Polyclonal Antibody | anti-CLDN1 antibody

Claudin 1 (CLDN1) Antibody (Loop2)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288053	Rabbit	Human, mouse (Predicted Reactivity: Bovine, Rat)	ELISA, Western Blot

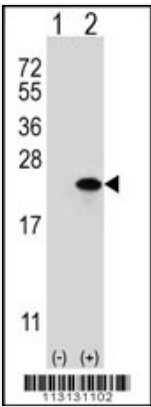
PRODUCT SYNONYMS

Claudin 1 (CLDN1); Polyclonal Antibody; Claudin 1 (CLDN1) Antibody (Loop2); Claudin-1; Senescence-associated epithelial membrane protein; CLDN1; CLD1; SEMP1; anti-CLDN1 antibody

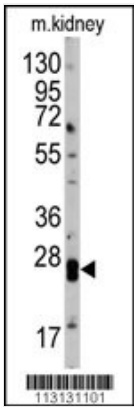
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Claudin 1(CLDN1) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 122-163 amino acids from human Claudin 1(CLDN1).
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	122-163
Sequence Length	211
Applicable Applications for anti-CLDN1 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of CLDN1 (arrow) using rabbit polyclonal CLDN1 Antibody (Loop2). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CLDN1 gene.



WB (Western Blot)
Western blot analysis of anti-hCLDN1-Loop2 Pab in mouse kidney tissue lysates (35ug/lane). CLDN1(arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CLDN1 antibody	CLDN1, a member of the claudin family, is an integral membrane protein and a component of tight junction strands. Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. These junctions are comprised of sets of continuous networking strands in the outwardly facing cytoplasmic leaflet, with complementary grooves in the inwardly facing extracytoplasmic leaflet. Loss of function mutations result in neonatal ichthyosis-sclerosing cholangitis syndrome.
Product Categories/Family for anti-CLDN1 antibody	Signal Transduction
References	Kinugasa,T., Anticancer Res. 27 (6A), 3729-3734 (2007) Paschoud,S., Mod. Pathol. 20 (9), 947-954 (2007) Morohashi,S., Int. J. Mol. Med. 20 (2), 139-143 (2007) Krajewska,M., Prostate 67 (9), 907-910 (2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	10863887
NCBI GeneID	9076
NCBI Accession #	NP_066924.1
NCBI GenBank Nucleotide #	NM_021101.4
UniProt Accession #	O95832
Molecular Weight	22744
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
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/claudin-1-cldn1-antibody-western-blot-elisa/288053>