

Rabbit anti-Human Claudin 1 Monoclonal Antibody | anti-CLDN1 antibody

[KO Validated] Claudin 1 Rabbit mAb

CATALOG # AAA282918	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
-------------------------------	-----------------------	----------------------------	--

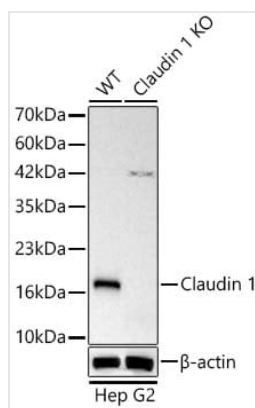
PRODUCT SYNONYMS

Claudin 1; Monoclonal Antibody; [KO Validated] Claudin 1 Rabbit mAb; CLD1; SEMP1; ILVASC; 1; anti-CLDN1 antibody

PRODUCT SPECIFICATIONS

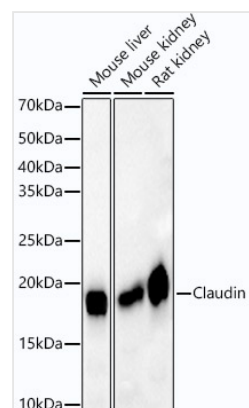
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	EVQKMRMAVI GGAIFLLAGL AILVATAWYG NRIVQEFYDP MTPVNARYEF GQALFTGWAA ASLCLLGAL LCCSCPRKTT SYTPRPYPK PAPSSGKDYV
Applicable Applications for anti-CLDN1 antibody	ELISA, WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 112-211 of human Claudin 1 (NP_066924.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



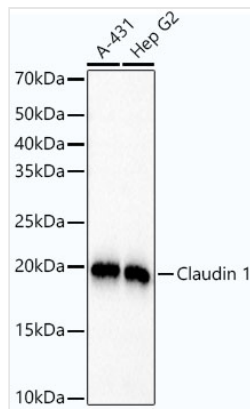
WB (Western Blot)

Western blot analysis of lysates from wild type(WT) and Claudin 1 knockdown (KD) Hep G2 cells, using [KO Validated] Claudin 1 Rabbit mAb (AAA282918) at 1:1000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 1s.



WB (Western Blot)

Western blot analysis of various lysates using [KO Validated] Claudin 1 Rabbit mAb (AAA282918) at 1:2000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 30s.



WB (Western Blot)

Western blot analysis of various lysates using [KO Validated] Claudin 1 Rabbit mAb (AAA282918) at 1:2000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

ADDITIONAL INFORMATION

Related Product Information for anti-CLDN1 antibody	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. The protein encoded by this gene, a member of the claudin family, is an integral membrane protein and a component of tight junction strands. Loss of function mutations result in neonatal ichthyosis-sclerosing cholangitis syndrome.
Product Categories/Family for anti-CLDN1 antibody	Signal Transduction; Cell Biology Developmental Biology; Cell Adhesion; Tight Junctions; Cytoskeleton; Antibodies

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	Calculated MW: 23kDa Observed MW: 20kDa
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.