antibodies - online.com







anti-Claudin 1 antibody (C-Term)

Images



Publication



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Quantity:	100 μL
Target:	Claudin 1 (CLDN1)
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse, Dog, Cow, Sheep, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Claudin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human CLDN1	
Sequence:	GQALFTGWAA ASLCLLGGAL LCCSCPRKTT SYPTPRPYPK PAPSSGKDYV	
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 93%, Rabbit: 93%, Rat: 93%, Sheep: 100%	
Characteristics:	This is a rabbit polyclonal antibody against CLDN1. It was validated on Western Blot and immunohistochemistry.	
Purification:	Affinity Purified	

Target Details

Claudin 1 (CLDN1) Target:

Target Details

Alternative Name:	CLDN1 (CLDN1 Products)	
Background:	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. This protein, a	
	member of the claudin family, is an integral membrane protein and a component of tight	
	junction strands.	
	Alias Symbols: CLD1, SEMP1, ILVASC	
	Protein Interaction Partner: UBC, DRG1, LNX1, TJP3, BRD4, MPDZ, TJP2, CLDN1, INADL,	
	CLDN3, WNK4, TJP1, MMP14, MMP2, CLDN5,	
	Protein Size: 211	
Molecular Weight:	23 kDa	
Gene ID:	9076	
NCBI Accession:	NM_021101, NP_066924	
UniProt:	095832	
Pathways:	Cell-Cell Junction Organization, Hepatitis C	
Application Details		
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 211 AA	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	Lot specific	
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %	
	sucrose.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which	
	should be handled by trained staff only.	

Handling

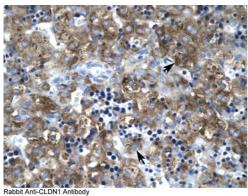
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:

Coyne, Gambling, Boucher, Carson, Johnson: "Role of claudin interactions in airway tight junctional permeability." in: **American journal of physiology. Lung cellular and molecular physiology**, Vol. 285, Issue 5, pp. L1166-78, (2003) (PubMed).

Images



Immunohistochemistry

Image 1. Human Liver

Rabbit Anti-CLDN1 Antibody
Catalog Number: ARP33623
Lot Number: QC2513
Paraffin Embeded Tissue: Human Liver
Cells with Positive label: Hepatocytes (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

90 kDa__ 60 kDa__ 42 kDa__ 32 kDa__ 23 kDa__

Western Blotting

Image 2. WB Suggested Anti-CLDN1 Antibody Titration: 0.2-1 ug/ml Positive Control: HepG2 cell lysate