

# Claudin-1 Antibody

Catalog No: #29226

Package Size: #29226-1 50ul #29226-2 100ul

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## Description

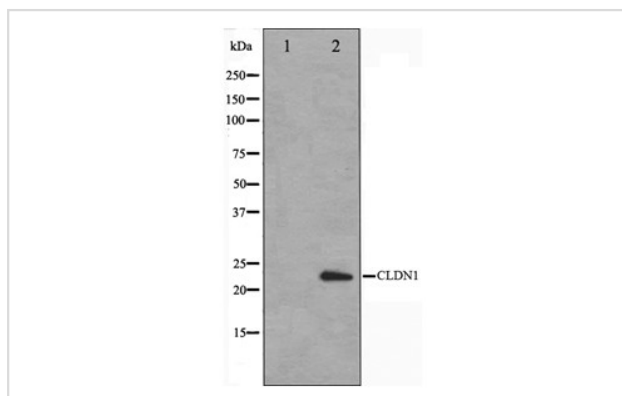
Product Name	Claudin-1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity-chromatography
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	Claudin 1 antibody detects endogenous levels of total Claudin 1
Immunogen Type	Peptide
Immunogen Description	A synthesized peptide derived from human Claudin 1
Target Name	Claudin-1
Other Names	claudin 1; Claudin-1; CLD1; CLDN1; ILVASC; SEMP1; Senescence-associated epithelial membrane protein; senescence-associated epithelial membrane protein 1
Accession No.	Swiss-Prot#: O95832
SDS-PAGE MW	22KD
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Storage	Store at -20°C/1 year

## Application Details

WB: 1:500~1:3000

IHC: 1:50~1:200

## Images



Western blot analysis on HeLa cell lysate using Claudin 1 Antibody

## Background

Claudin 1 Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium- independent cell-adhesion activity. Acts as a co- receptor for HCV entry into hepatic cells. Belongs to the claudin family. Can form homo- and heteropolymers with other CLDN. Homopolymers interact with CLDN3, but not CLDN2, homopolymers. Directly interacts with TJP1/ZO-1, TJP2/ZO-2 and TJP3/ZO-3. Interacts with MPDZ and INADL. May interact with HCV E1 and E2 proteins.

## Published Papers

el at., Gut Microbiota Dysbiosis as One Cause of Osteoporosis by Impairing Intestinal Barrier Function. In *Calcif Tissue Int* on 2022 Feb by Ning Wang, Sicong Ma, et al..PMID:34480200, , (2022)

[PMID:34480200](#)

el at., Fecal microbiota transplantation mitigates bone loss by improving gut microbiome composition and gut barrier function in aged rats. In *PeerJ* on 2021 Oct 21 by Sicong Ma,

Ning Wang, et al..PMID:34721980, , (2021)

[PMID:34721980](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.