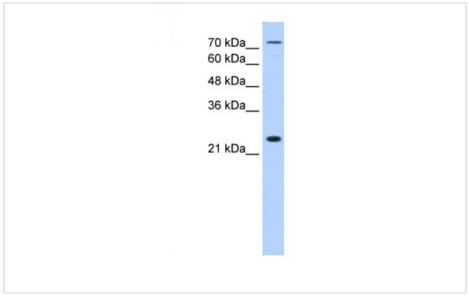
CLDN2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CLDN2, Polyclonal Antibody
Full Product Name	CLDN2 antibody
Product Gene Name	anti-CLDN2 antibody
Product Synonym Names	Polyclonal CLDN2; Anti-CLDN2; CLDN 2; CLDN-2; claudin 2; CLDN2
Clonality	Polyclonal
Host	Rabbit
Form/Format	Lyophilized powder. Add 100 ul of distilled water. Final antibody concentration is 1 mg/ml in PBS buffer.
Concentration	1 mg/ml (lot specific)
Preparation and Storage	Store at 4 degree C, following reconstitution, aliquot and store at -20 degree C. Avoid repeated freeze-thaw cycles.
Molecular Weight	24,549 Da
OMIM	300520
3D Structure	ModBase 3D Structure for P57739
Cross-Reactivity	Human, Mouse, Rat, Dog, Pig, Bovine, Chicken
Immunogen	CLDN2 antibody was raised in rabbit using the N terminal of CLDN2 as the immunogen
Product Categories/Family for anti-CLDN2 antibody	Signal Transduction
Applications Tested/Suitable for anti-CLDN2 antibody	Western Blot (WB)
Application Notes for anti-CLDN2 antibody	WB: 1.25 ug/ml
Related Product Information for anti-CLDN2 antibody	MBS832352 is an antibody targeting CLDN2. Also known as CLDN2 antibody. Host: Rabbit. Rabbit polyclonal CLDN2 antibody
Other Notes	Small volumes of anti-CLDN2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-CLDN2 antibody
CLDN2 antibody (MBS832352) used at 0.2-1 ug/ml to detect target protein.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CLDN2. It may not necessarily be applicable to this product.

NCBI GI #	9966781
NCBI GeneID	9075
NCBI Accession #	NP_065117
UniProt Primary Accession #	P57739
UniProt Secondary Accession #	B2R6B9
UniProt Related Accession #	P57739
GenBank Nucleotide #	NM_020384.3
NCBI Official Full Name	claudin-2
NCBI Official Synonym Full Names	claudin 2
NCBI Official Symbol	CLDN2
UniProt Protein Name	Claudin-2
UniProt Synonym Protein Names	SP82
Protein Family	Claudin
UniProt Gene Name	CLDN2
UniProt Entry Name	CLD2_HUMAN
NCBI Protein Information	claudin-2
NCBI Summary for CLDN2	This gene product belongs to the claudin protein family whose members have been identified as major integral membrane proteins localized exclusively at tight junctions. Claudins are expressed in an organ-specific manner and regulate tissue-specific physiologic properties of tight junctions. This protein is expressed in the intestine. Alternatively spliced transcript variants with different 5' untranslated region have been found for this gene.[provided by RefSeq, Jan 2010]
UniProt Comments for CLDN2	Claudin-2: Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity. Belongs to the claudin family. Protein type: Membrane protein, multi-pass; Membrane protein, integral; Cytoskeletal Chromosomal Location of Human Ortholog: Xq22.3-q23 Cellular Component: tight junction; integral to membrane; plasma membrane Molecular Function: identical protein binding; structural molecule activity Biological Process: calcium-independent cell-cell adhesion
Research Articles on CLDN2	**1.** Claudins 2 and 4 have reciprocal effects on epithelial barrier function, exhibit differential FRAP dynamics, and compete for residency within the tight junction.
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