

Datasheet for ABIN951547

anti-Claudin 2 antibody (C-Term)

2 Images



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Overview

Quantity:	0.4 mL
Target:	Claudin 2 (CLDN2)
Binding Specificity:	AA 181-209, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Claudin 2 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 181-209 amino acids from the C-terminal region of human CLDN2
Isotype:	Ig Fraction
Specificity:	This antibody reacts to CLDN2.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	Claudin 2 (CLDN2)
Alternative Name:	Claudin-2 / CLDN2 (CLDN2 Products)

Target Details

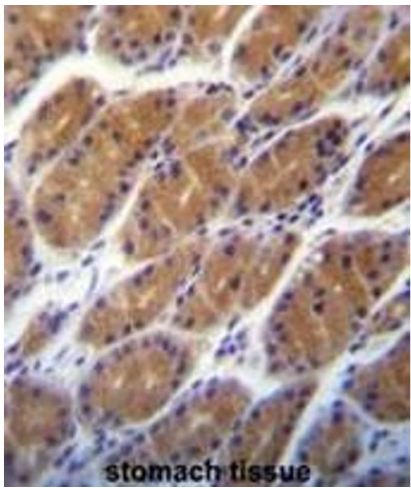
Background:	This gene product belongs to the claudin protein family whose members have been identified as major integral membrane proteins localized exclusively at tight junctions. Claudins are expressed in an organ-specific manner and regulate tissue-specific physiologic properties of tight junctions. This protein is expressed in the intestine. Alternatively spliced transcript variants with different 5' untranslated region have been found for this gene.Synonyms: CLD2, SP82
Molecular Weight:	24549 Da
Gene ID:	9075
NCBI Accession:	NP_001164563
Pathways:	Hepatitis C

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

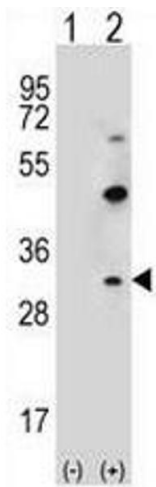
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % (W/V) sodium azide
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 Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. CLDN2 Antibody (C-term pTyr195) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of CLDN2 Antibody (C-term pTyr195) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of CLDN2 (arrow) using rabbit polyclonal CLDN2 Antibody (pTyr195). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CLDN2 gene.