

Rabbit anti-Human CLDN2 Polyclonal Antibody | anti-CLDN2 antibody

CLDN2 Antibody (C-term Y224)

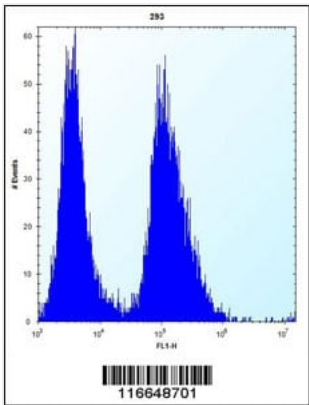
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284836	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

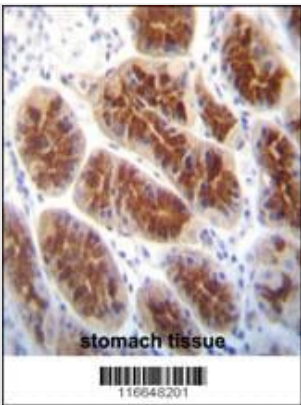
CLDN2; Polyclonal Antibody; CLDN2 Antibody (C-term Y224); Claudin-2; SP82; anti-CLDN2 antibody

PRODUCT SPECIFICATIONS

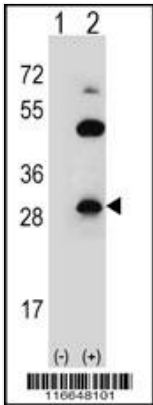
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Ig
Specificity	This CLDN2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 200-227 amino acids from the C-terminal region of human CLDN2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Length	230
Applicable Applications for anti-CLDN2 antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Calculated MW	24549
Antigen Region	200-227
Function	Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium- independent cell-adhesion activity.
Cellular Location	Cell junction, tight junction. Cell membrane;Multi-pass membrane protein
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



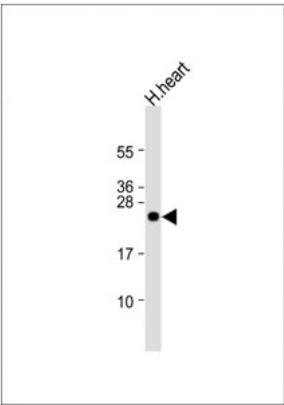
FCM/FACS (Flow Cytometry)
CLDN2 Antibody (C-term Y224) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
CLDN2 Antibody (C-term Y224) 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 Y224) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of CLDN2 (arrow) using rabbit polyclonal CLDN2 Antibody (Y224). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CLDN2 gene.



Application Data
Anti-CLDN2 Anti-CLDN2 Antibody at 1:1000 dilution +human heart lysate Lysates/proteins at 20 ugper lane. Secondary Goat Anti-Rabbit IgG,(H+L), Peroxidase conjugated at 1/10000dilution. Predicted band size : 25 kDaBlocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-CLDN2 antibody	This gene product belongs to the claudin protein familywhose 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.
Product Categories/Family for anti-CLDN2 antibody	Signal Transduction
References	Smith, A.J., et al. J. Acquir. Immune Defic. Syndr. 55(3):306-315(2010) Kojima, F., et al. Oncol. Rep. 23(4):927-931(2010) Szakal, D.N., et al. Virchows Arch. 456(3):245-250(2010) Buchert, M., et al. Proc. Natl. Acad. Sci. U.S.A. 107(6):2628-2633(2010) Mankertz, J., et al. Cell Tissue Res. 336(1):67-77(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	283806628
NCBI GeneID	9075
NCBI Accession #	NP_001164563.1; NP_001164566.1; NP_065117.1

NCBI GenBank Nucleotide #	NM_001171092.1
UniProt Accession #	P57739; B2R6B9
NCBI Official Full Name	claudin-2
NCBI Official Synonym Full Names	claudin 2
NCBI Official Symbol	CLDN2
NCBI Protein Information	claudin-2
UniProt Protein Name	Claudin-2
UniProt Gene Name	CLDN2
UniProt Entry Name	CLD2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/cldn2-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/284836>