ARG66835
anti-Claudin 2 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Claudin 2
Tested Reactivity	Hu, Ms
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Claudin 2
Species	Human
Immunogen	Synthetic peptide between aa. 181-230 of Human Claudin 2.
Conjugation	Un-conjugated
Alternate Names	Claudin-2; SP82

Application Instructions

Application table

Application	Dilution
IHC-P	1:100 - 1:300
WB	1:500 - 1:2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

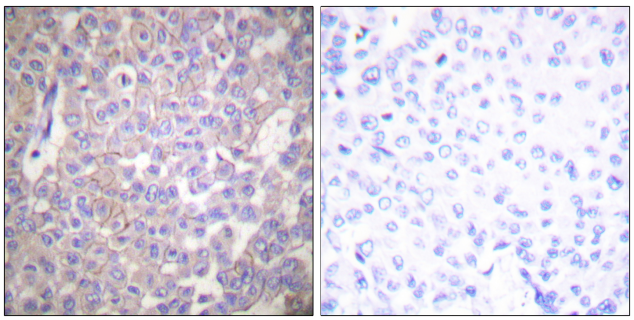
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

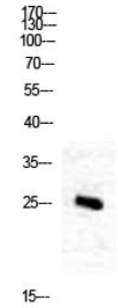
Gene Symbol	CLDN2
Gene Full Name	claudin 2
Background	This gene product belongs to the claudin protein family whose members have been identified as major integral membrane proteins localized exclusively at tight junctions. Claudins are expressed in an organ-specific manner and regulate tissue-specific 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. [provided by RefSeq, Jan 2010]
Function	Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity. [UniProt]
Calculated Mw	25 kDa
PTM	The disulfide bond is necessary for pore formation, but is not required for correct protein trafficking. [UniProt]
Cellular Localization	Cell junction, tight junction. Cell membrane; Multi-pass membrane protein. [UniProt]

Images



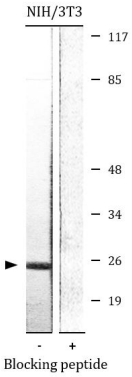
ARG66835 anti-Claudin 2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human breast carcinoma tissue stained with ARG66835 anti-Claudin 2 antibody. The picture on the right is blocked with the synthetic peptide.



ARG66835 anti-Claudin 2 antibody WB image

Western blot: Mouse kidney lysate stained with ARG66835 anti-Claudin 2 antibody at 1:1000 dilution.



ARG66835 anti-Claudin 2 antibody WB image

Western blot: NIH/3T3 cell lysates stained with ARG66835 anti-Claudin 2 antibody. The lane on the right is blocked with the synthetic peptide.