



Claudin-2 Polyclonal Antibody

Catalog No	YP-Ab-16956
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;IHC;IF;ELISA
Gene Name	CLDN2
Immunogen	The antiserum was produced against synthesized peptide derived from human Claudin 2. AA range:181-230
Specificity	Claudin-2 Polyclonal Antibody detects endogenous levels of Claudin-2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CLDN2;SP82;PSEC0059;Claudin-2
Observed Band	25kD
Calculated Molecular Weight	25kD
Cell Pathway	Cell junction, tight junction . Cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Colon,Colon epithelium,Kidney,Skin,Teratocarcinoma,Thalamus,
Function	function:Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity., similarity:Belongs to the claudin family.,subunit:Can form homo- and heteropolymers with other CLDN. Homopolymers interact with CLDN3, but not CLDN1, homopolymers. Directly interacts with TJP1/ZO-1, TJP2/ZO-2 and TJP3/ZO-3.,
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],

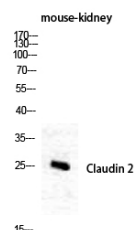
matters needing attention

Avoid repeated freezing and thawing!

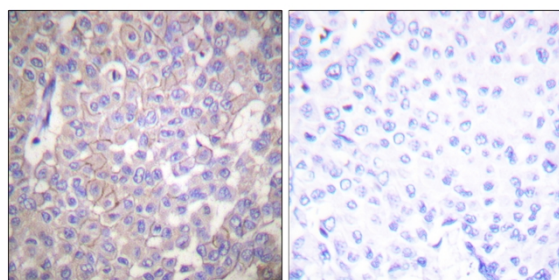
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

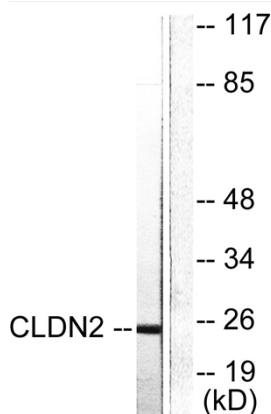
Products Images



Western Blot analysis of mouse-kidney cells using Claudin-2 Polyclonal Antibody diluted at 1:1000



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using Claudin 2 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from NIH/3T3 cells, using Claudin 2 Antibody. The lane on the right is blocked with the synthesized peptide.