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anti-CLDN10 antibody (C-Term)

Images



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Quantity:	100 μL
Target:	CLDN10
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CLDN10 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

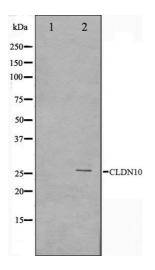
Immunogen:	A synthesized peptide derived from human Claudin 10, corresponding to a region within C-terminal amino acids.
Isotype:	IgG
Specificity:	Claudin 10 Antibody detects endogenous levels of total Claudin 10.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Dog,Chicken
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).

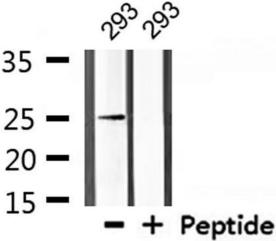
Target Details

Target:	CLDN10	

Target Details

Alternative Name:	CLDN10 (CLDN10 Products)	
Background:	Description: Plays a major role in tight junction-specific obliteration of the intercellular space,	
	through calcium-independent cell-adhesion activity. Involved in the regulation of paracellular	
	epithelia permeability to ions in multiple organs. It acts as a paracellular ion channel probably	
	forming permselective pores, isoform 1 appears to create pores preferentially permeable to	
	cations and isoform 2 for anions. In sweat glands and in the thick ascending limb (TAL) of	
	Henle's loop in kidney, it controls paracellular sodium permeability which is essential for prope	
	sweat production and renal function (PubMed:19383724, PubMed:28771254,	
	PubMed:28686597).	
	Gene: CLDN10	
Molecular Weight:	25kDa	
Gene ID:	9071	
UniProt:	P78369	
Pathways:	Hepatitis C	
Application Details		
Application Notes:	WB: 1:500-1:3000, IF/ICC 1:100-1:500, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	1 mg/mL	
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 %	
	glycerol.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which	
	should be handled by trained staff only.	
Storage:	-20 °C	
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.	
Expiry Date:	12 months	



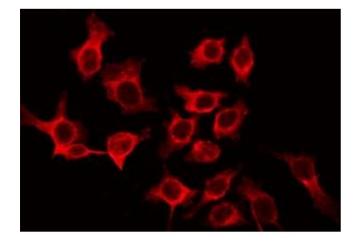


Western Blotting

Image 1. Western blot analysis on LOVO cell lysate using Claudin 10 Antibody, The lane on the left is treated with the antigen-specific peptide.

Western Blotting

Image 2. Western blot analysis of extracts from 293, using Claudin 10 Antibody.



Immunofluorescence (fixed cells)

Image 3. ABIN6266513 staining LOVO by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.