Datasheet for ABIN3022751

anti-Claudin 7 antibody (AA 29-211)

2 Images

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Overview

Quantity:	100 µL
Target:	Claudin 7 (CLDN7)
Binding Specificity:	AA 29-211
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Claudin 7 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 29-211 of human CLDN7 (NP_001298.3).
Sequence:	QWQMSSYAGD NIITAQAMYK GLWMDCVTQS TGMMSCKMYD SVLALSAALQ ATRALMVVSL VLGFLAMFVA TMGMKCTRCG GDDKVKKARI AMGGGIIFIV AGLAALVACS WYGHQIVTDF YNPLIPTNIK YEFGPAIFIG WAGSALVILG GALLSCSCPG NESKAGYRVP RSYPKSNSSK EYV
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	Claudin 7 (CLDN7)
Alternative Name:	CLDN7 (CLDN7 Products)
Background:	This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions. Differential expression of this gene has been observed in different types of malignancies, including breast cancer, ovarian cancer, hepatocellular carcinomas, urinary tumors, prostate cancer, lung cancer, head and neck cancers, thyroid carcinomas, etc.. Alternatively spliced transcript variants encoding different isoforms have been found.,CLDN7,CEPTRL2,CLDN-7,CPETRL2,Hs.84359,claudin-1,claudin-7,Signal Transduction,Cell Biology & Developmental Biology,Cell Adhesion,Tight Junctions,Cytoskeleton,CLDN7
Molecular Weight:	16 kDa/22 kDa
Gene ID:	1366
UniProt:	O95471
Pathways:	Hepatitis C

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

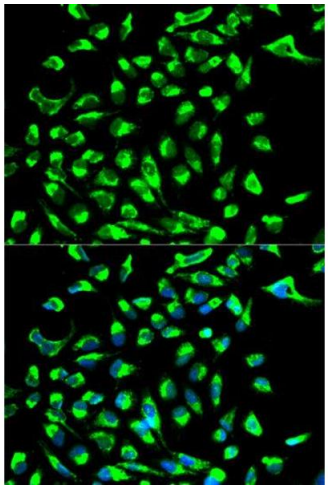
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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 freeze / thaw cycles
Storage:	-20 °C

Handling

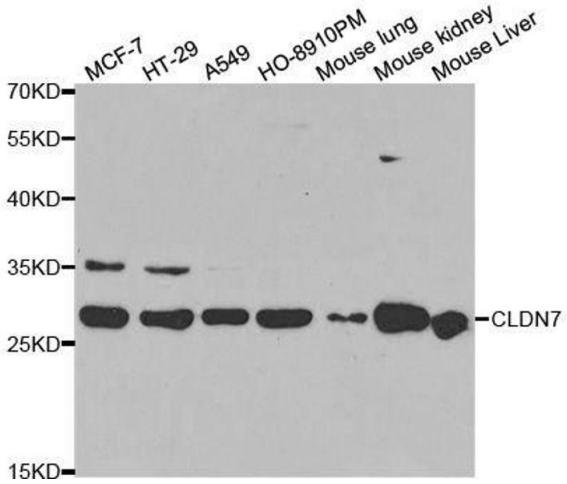
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Immunofluorescence

Image 1. Immunofluorescence analysis of MCF-7 cell using CLDN7 antibody. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using CLDN7 antibody.