

Datasheet for ABIN6990468
anti-Claudin 4 antibody (C-Term)



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Overview

Quantity:	0.1 mg
Target:	Claudin 4 (CLDN4)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Claudin 4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Anti-CLAUDIN4 antibody was raised against a peptide corresponding to 17 amino acids near the carboxy terminus of human CLAUDIN4. The immunogen is located within the last 50 amino acids of CLAUDIN4.
Isotype:	IgG
Specificity:	At least four isoforms of CLAUDIN4 are known to exist, CLAUDIN4 antibody will detect all four isoforms
Purification:	CLAUDIN4 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	Claudin 4 (CLDN4)
Alternative Name:	CLAUDIN4 (CLDN4 Products)

Target Details

Background:	CLAUDIN4 Antibody: CLAUDIN4 is an integral membrane protein belonging to the claudin family, a family of cellular adhesion molecules that are components of tight junctions. CLAUDIN4 is a component of tight junction strands and may play a role in internal organ development and function during pre- and postnatal life. The CLAUDIN4 gene is deleted in Williams-Beuren syndrome, a neurodevelopmental disorder affecting multiple systems. CLAUDIN4 is frequently overexpressed in ovarian and other epithelial cancers.
Molecular Weight:	Predicted: 22kD Observed: 22 kD kDa
Gene ID:	1364
NCBI Accession:	NP_001296
UniProt:	O14493
Pathways:	Hepatitis C

Application Details

Application Notes:	WB: 0.5-2 µg/mL, IF: 20 µg/mL. Antibody validated: Western Blot in human samples, Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	CLAUDIN4 Antibody is supplied in PBS containing 0.02 % sodium azide.
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, 4 °C
Storage Comment:	CLAUDIN4 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies

should not be exposed to prolonged high temperatures.