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Datasheet for ABIN6138679  
**anti-Claudin 16 antibody (AA 50-150)**

1 Image

### Overview

Quantity:	100 µL
Target:	Claudin 16 (CLDN16)
Binding Specificity:	AA 50-150
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Claudin 16 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 50-150 of human CLDN16 (NP_006571.1).
Sequence:	HLSGARAGVC PCCHPDGLLA TMRDLLQYIA CFFAFFSAGF LIVATWTDCW MVNADDSLEV STKCRGLWWE CVTNAFDGIR TCDEYDSILA EHPLKLVVTR A
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

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Target:	Claudin 16 (CLDN16)
Alternative Name:	CLDN16 ( <a href="#">CLDN16 Products</a> )
Background:	<p>Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. These junctions are comprised of sets of continuous networking strands in the outwardly facing cytoplasmic leaflet, with complementary grooves in the inwardly facing extracytoplasmic leaflet. The protein encoded by this gene, a member of the claudin family, is an integral membrane protein and a component of tight junction strands. It is found primarily in the kidneys, specifically in the thick ascending limb of Henle, where it acts as either an intercellular pore or ion concentration sensor to regulate the paracellular resorption of magnesium ions. Defects in this gene are a cause of primary hypomagnesemia, which is characterized by massive renal magnesium wasting with hypomagnesemia and hypercalciuria, resulting in nephrocalcinosis and renal failure. This gene and the CLDN1 gene are clustered on chromosome 3q28.,CLDN16,HOMG3,PCLN1,Signal Transduction,Cell Biology &amp; Developmental Biology,Cell Adhesion,Tight Junctions,Cytoskeleton,CLDN16</p>
Molecular Weight:	33 kDa
Gene ID:	10686
UniProt:	<a href="#">Q9Y5I7</a>
Pathways:	<a href="#">Hepatitis C</a>

## Application Details

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

## Handling

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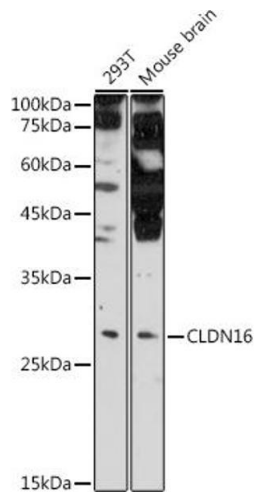
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

Storage: -20 °C

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

## Images



### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using CLDN16 antibody (ABIN6133646, ABIN6138679, ABIN6138680 and ABIN6225195) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 180s.