

Datasheet for ABIN2778043  
**anti-Claudin 19 antibody (C-Term)**



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1 Image

## Overview

Quantity:	100 µL
Target:	Claudin 19 (CLDN19)
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse, Cow, Dog, Guinea Pig, Pig, Rabbit, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Claudin 19 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human CLDN19
Sequence:	AVLGGSFLCC TCPEPERPNS SPQPYPGPGPS AAAREPVVKL PASAKGPLGV
Predicted Reactivity:	Cow: 86%, Dog: 100%, Guinea Pig: 86%, Horse: 93%, Human: 100%, Mouse: 79%, Pig: 100%, Rabbit: 100%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against CLDN19. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	Claudin 19 (CLDN19)
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## Target Details

Alternative Name:	CLDN19 ( <a href="#">CLDN19 Products</a> )
Background:	<p>CLDN19 belongs to the claudin family. It plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity. Defects in this gene are the cause of hypomagnesemia renal with ocular involvement (HOMGO). HOMGO is a progressive renal disease characterized by primary renal magnesium wasting with hypomagnesemia, hypercalciuria and nephrocalcinosis associated with severe ocular abnormalities such as bilateral chorioretinal scars, macular colobomata, significant myopia and nystagmus. The product of this gene belongs to the claudin family. It plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity. Defects in this gene are the cause of hypomagnesemia renal with ocular involvement (HOMGO). HOMGO is a progressive renal disease characterized by primary renal magnesium wasting with hypomagnesemia, hypercalciuria and nephrocalcinosis associated with severe ocular abnormalities such as bilateral chorioretinal scars, macular colobomata, significant myopia and nystagmus. Two transcript variants encoding distinct isoforms have been identified for this gene.</p> <p>Alias Symbols: HOMG5</p> <p>Protein Interaction Partner: SRPK2,</p> <p>Protein Size: 224</p>
Molecular Weight:	23 kDa
Gene ID:	149461
NCBI Accession:	<a href="#">NM_148960</a> , <a href="#">NP_683763</a>
UniProt:	<a href="#">Q8N6F1</a>
Pathways:	<a href="#">Cell-Cell Junction Organization</a> , <a href="#">Hepatitis C</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 224 AA
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific

## Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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 repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images



### Western Blotting

**Image 1.** WB Suggested Anti-CLDN19 Antibody Titration:  
0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control:  
Transfected 293T