

## Product datasheet for **TA334198**

### CLDN19 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-CLDN19 antibody: synthetic peptide directed towards the C terminal of human CLDN19. Synthetic peptide located within the following region: AVLGGSFLLCCTCPEPERPNSSQPYPGPSAAAREPVVKLPASAKGPLGV
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	23 kDa
Gene Name:	claudin 19
Database Link:	<a href="#">NP_683763</a> <a href="#">Entrez Gene 149461 Human</a> <a href="#">Q8N6F1</a>



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**Background:**

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.

**Synonyms:**

HOMG5

**Note:**

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Human: 100%; Rabbit: 100%; Rat: 93%; Horse: 93%; Bovine: 86%; Guinea pig: 86%; Mouse: 79%

**Protein Families:**

Transmembrane

**Protein Pathways:**

Cell adhesion molecules (CAMs), Leukocyte transendothelial migration, Tight junction

**Product images:**

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