

## **Product datasheet for TA334198**

## **CLDN19 Rabbit Polyclonal Antibody**

**Product data:** 

**Product Type:** Primary Antibodies

Applications: WE

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:

AVLGGSFLCCTCPEPERPNSSPQPYRPGPSAAAREPVVKLPASAKGPLGV

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

**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: NP 683763

Entrez Gene 149461 Human

Q8N6F1



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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

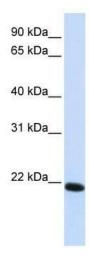
Note: Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Human: 100%; Rabbit: 100%; Rat:

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