

Claudin-1 Rabbit pAb

CatalogNo: YT0943

| Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 30kD (Observed)

Isotype

- IgG

| Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

| Recommended Dilution Ratios

WB 1:500-1:2000

ELISA 1:20000

Not yet tested in other applications.

| Basic Information

Clonality Polyclonal

| Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human Claudin 1. AA range:162-211

Specificity Claudin-1 Polyclonal Antibody detects endogenous levels of Claudin-1 protein.

| Target Information

Gene name CLDN1

Protein Name Claudin-1

Organism	Gene ID	UniProt ID
Human	9076 ;	O95832 ;
Mouse	12737 ;	O88551 ;
Rat	65129 ;	P56745 ;

Cellular Localization Cell junction , tight junction . Cell membrane ; Multi-pass membrane protein . Basolateral cell membrane . Associates with CD81 and the CLDN1-CD81 complex localizes to the basolateral cell membrane. .

Tissue specificity Strongly expressed in liver and kidney. Expressed in heart , brain , spleen , lung and testis.

Function Disease:Defects in CLDN1 are the cause of ichthyosis-sclerosing cholangitis neonatal syndrome (NISCH) [MIM:607626]; also called ichthyosis with leukocyte vacuoles alopecia and sclerosing cholangitis (ILVASC) . NISCH is a rare autosomal recessive complex ichthyosis syndrome characterized by scalp hypotrichosis , scarring alopecia , vulgar type ichthyosis , and sclerosing cholangitis. ,Function:Plays a major role in tight junction-specific obliteration of the intercellular space , through calcium-independent cell-adhesion activity (By similarity) . Acts as a co-receptor for HCV entry into hepatic cells. ,similarity:Belongs to the claudin family. ,subunit:Can form homo- and heteropolymers with other CLDN. Homopolymers interact with CLDN3 , but not CLDN2 , homopolymers. Directly interacts with TJP1/ZO-1 , TJP2/ZO-2 and TJP3/ZO-3. Interacts with MPDZ and INADL (By similarity) . May interact with HCV E1 and E2 proteins. ,tissue specificity:Strongly expressed in liver and kidney. Expressed in heart , brain , spleen , lung and testis. ,

| Validation Data

| Contact information

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Claudin-1 Rabbit pAb

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