



## Rabbit Anti-Claudin 1 antibody

SL10008R

|                               |  |
|-------------------------------|--|
| <b>Product Name:</b>          | Claudin 1  |
| <b>Chinese Name:</b>          | 紧密连接蛋白1抗体  |
| <b>Alias:</b>                 | claudin; Claudin1; CLD 1; claudin1; CLD1; CLDN 1; CLDN1; ILVASC; SEMP 1; SEMP1; Senescence associated epithelial membrane protein 1; Senescence associated epithelial membrane protein.  |
| <b>Organism Species:</b>      | Rabbit   |
| <b>Clonality:</b>             | Polyclonal   |
| <b>React Species:</b>         | Human,Mouse,Rat,Pig,Cow,Horse,Rabbit,Sheep,Guinea Pig,   |
| <b>Applications:</b>          | WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair)<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user.  |
| <b>Molecular weight:</b>      | 23kDa  |
| <b>Cellular localization:</b> | The cell membrane  |
| <b>Form:</b>                  | Lyophilized or Liquid  |
| <b>Concentration:</b>         | 1mg/ml   |
| <b>immunogen:</b>             | KLH conjugated synthetic peptide derived from human Claudin 1:31-130/211<Extracellular>  |
| <b>Lsotype:</b>               | IgG  |
| <b>Purification:</b>          | affinity purified by Protein A   |
| <b>Storage Buffer:</b>        | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.   |
| <b>Storage:</b>               | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.                          |
| <b>PubMed:</b>                | <a href="#">PubMed</a>   |
| <b>Product Detail:</b>        | 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. Loss of function mutations result in neonatal ichthyosis-sclerosing cholangitis syndrome. [provided by RefSeq].

**Function:**

Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity.

**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.

**Subcellular Location:**

Cell junction, tight junction. Cell membrane; Multi-pass membrane protein.

**Tissue Specificity:**

Widely expressed, with highest levels in liver and kidney.

**Similarity:**

Belongs to the claudin family.

**SWISS:**

O95832

**Gene ID:**

9076

**Database links:**

[Entrez Gene: 9076](#)Human

[Entrez Gene: 12737](#)Mouse

[Entrez Gene: 65129](#)Rat

[Omim: 603718](#)Human

[SwissProt: O95832](#)Human

[SwissProt: O88551](#)Mouse

[SwissProt: P56745](#)Rat

[Unigene: 439060](#)Human

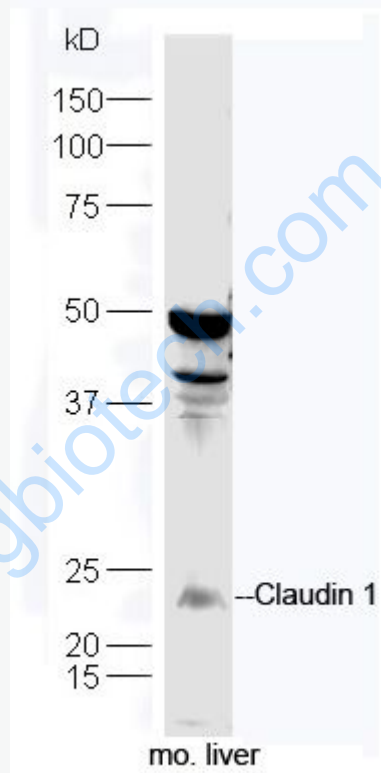
[Unigene: 289441](#)Mouse

[Unigene: 24293](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Picture:**



Sample:

liver (Mouse) Lysate at 40 ug

Primary: Anti-Claudin 1 (SL10008R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 23 kD

Observed band size: 23 kD