

### **Product datasheet for TA347351**

# OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

### **Claudin 1 (CLDN1) Rabbit Polyclonal Antibody**

#### **Product data:**

**Product Type:** Primary Antibodies

Applications: WB

**Reactivity:** WB: 1:500-1:3000 Human, Mouse, Rat

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**Immunogen:** The immunogen for anti-Claudin 1 Antibody: A synthesized peptide derived from human

Claudin 1

Formulation: Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50%

glycerol. Store at -20?. Stable for 12 months from date of receipt

**Concentration:** lot specific

**Purification:** Affinity-chromatography

Conjugation: Unconjugated

Storage: Store at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

Predicted Protein Size: 22 kDa

Gene Name: claudin 1

Database Link: NP 066924

Entrez Gene 12737 MouseEntrez Gene 65129 RatEntrez Gene 9076 Human

<u>095832</u>

**Background:** claudin 1 Plays a major role in tight junction-specific obliteration of the intercellular space,

through calcium- independent cell-adhesion activity. Acts as a co- receptor for HCV entry into hepatic cells. Belongs to the claudin family. 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. May interact with

HCV E1 and E2 proteins.

Synonyms: CLD1; ILVASC; SEMP1





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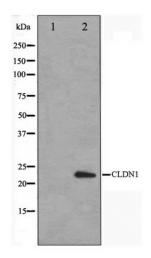
Note: Claudin 1 antibody detects endogenous levels of total Claudin 1

**Protein Families:** Transmembrane

**Protein Pathways:** Cell adhesion molecules (CAMs), Leukocyte transendothelial migration, Pathogenic

Escherichia coli infection, Tight junction

## **Product images:**



Western blot analysis on HeLa cell lysate using Claudin 1 Antibody