

Claudin 1 (PT0336R) PT™ Rabbit mAb

CatalogNo: YM8199 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat,

Applications

- WB, IHC, IF, IP, ELISA

MW

- 22kD (Calculated)
19kD (Observed)

Isotype

- IgG, Kappa

Recommended Dilution Ratios

IHC 1:200-1:1000

WB 1:1000-1:5000

IF 1:200-1:1000

ELISA 1:5000-1:20000

IP 1:50-1:200,

Storage

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

Formulation PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Basic Information

Clonality Monoclonal

Clone Number PT0336R

Immunogen Information

Specificity Endogenous

Target Information

Gene name CLDN1

Protein Name Claudin-1

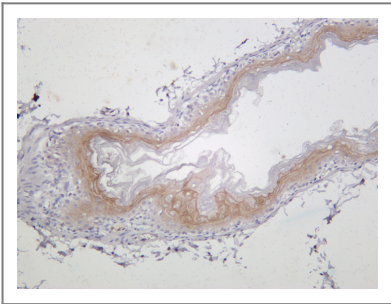
| Organism | Gene ID | UniProt ID |
|----------|-------------------------|--------------------------|
| Human | 9076 ; | O95832 ; |
| Mouse | 12737 ; | O88551 ; |
| Rat | 65129 ; | P56745 ; |

Cellular Localization Membrane

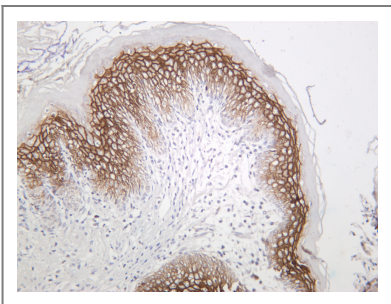
Tissue specificity Strongly expressed in liver and kidney. Expressed in heart, brain, spleen, lung and testis.

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.,

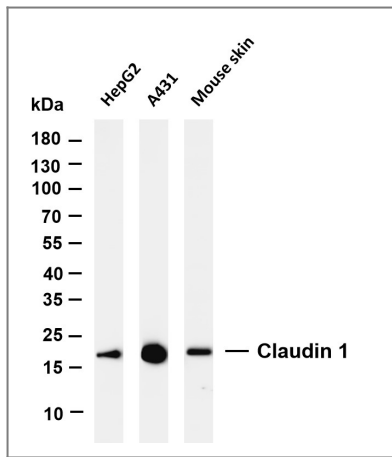
Validation Data



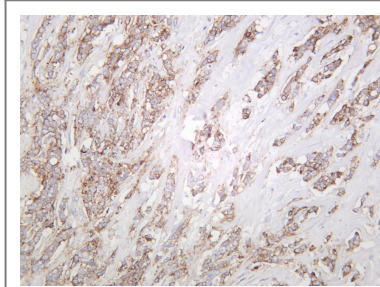
Mouse stomach was stained with anti-Claudin 1 rabbit antibody



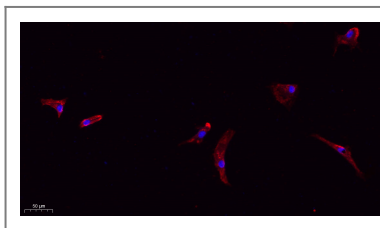
Rat stomach was stained with anti-Claudin 1 rabbit antibody



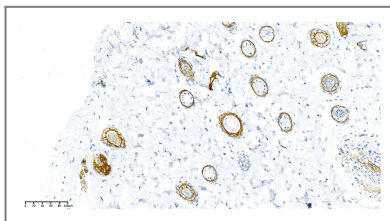
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Claudin 1 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HepG2 Lane 2: A431 Lane 3: Mouse skin Predicted band size: 22kDa Observed band size: 19kDa



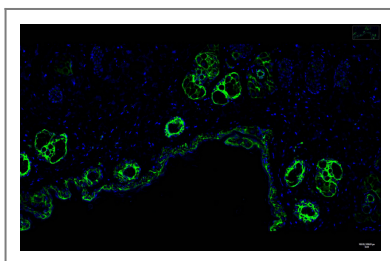
Human breast was stained with anti-Claudin 1 rabbit antibody



Immunofluorescence analysis of A549. 1,primary Antibody(red) was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 594 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, DAPI(blue) 10min.



Mouse mammary gland was stained with anti-Claudin 1 Rabbit antibody



Mouse mammary gland was stained with anti-Claudin 1 Rabbit antibody

Contact information

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Please scan the QR code
to access additional
product information:
Claudin 1 (PT0336R)
PT™ Rabbit mAb

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