

For Research Use Only

Claudin 1 Monoclonal antibody, PBS Only

Catalog Number: 68969-4-PBS



Basic Information

Catalog Number:

68969-4-PBS

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG29478

GenBank Accession Number:

BC012471

GeneID (NCBI):

9076

UNIPROT ID:

O95832

Full Name:

claudin 1

Calculated MW:

211 aa, 23 kDa

Observed MW:

20-23 kDa

Purification Method:

Protein G purification

CloneNo.:

2D6F6

Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat, pig

Background Information

Claudins are a family of proteins that are the most important components of the tight junctions, where they establish the paracellular barrier that controls the flow of molecules in the intercellular space between the cells of an epithelium. 23 claudins have been identified. They are small (20-27 kilodalton (kDa)) proteins with similar structures. They have four transmembrane domains, with the N-terminus and the C-terminus in the cytoplasm. Claudin-1 is an integral membrane protein expressed primarily in keratinocytes and normal mammary epithelial cells. Claudin 1 forms tight junctions with other claudin proteins and plays an important role in the intestinal epithelial barrier.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

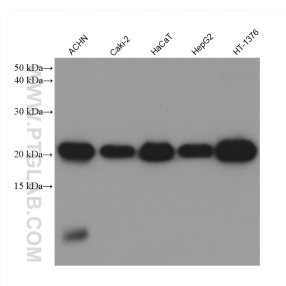
T: 4006900926

E: Proteintech-CN@ptglab.com

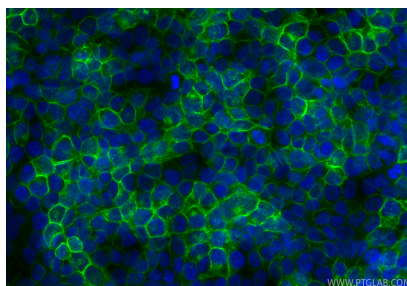
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68969-4-Ig (Claudin 1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68969-4-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed HaCaT cells using Claudin 1 antibody (68969-4-Ig, Clone: 2D6F6) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). This data was developed using the same antibody clone with 68969-4-PBS in a different storage buffer formulation.