

For Research Use Only

Claudin 4 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86433-8-PBS



Basic Information

Catalog Number:

86433-8-PBS

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC000671

GeneID (NCBI):

1364

UNIPROT ID:

O14493

Full Name:

claudin 4

Calculated MW:

22 kDa

Observed MW:

18-20 kDa

Purification Method:

Protein A purification

CloneNo.:

251202E6

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human

Background Information

Claudins are a family of proteins that are the most important components of tight junctions, where they establish the paracellular barrier that controls the flow of molecules in the intercellular space between the cells of an epithelium. They are small (20-27 kDa) proteins with similar structures. They have four transmembrane domains, with the N- and C-termini in the cytoplasm. This antibody is specifically against Claudin 4. Claudin 4 is overexpressed in a variety of cancers. It can be used as a predictor of recurrent malignant pleural effusion in patients with advanced non-small cell lung cancer (PMID: 38629624). Claudin 4 is the receptor for B. fragilis toxin (BFT), an important oncogenic protein. Blocking the interaction between BFT and Claudin-4 can inhibit the cleavage of the substrate E-cadherin by BFT and reverse the tissue damage induced by BFT in mice (PMID: 42020735).

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:

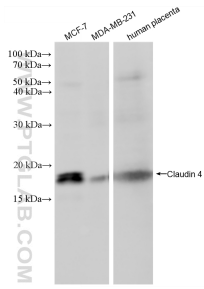
T: 4006900926

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 86433-8-RR (Claudin 4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86433-8-PBS in a different storage buffer formulation.

