

For Research Use Only

# Claudin 16 Recombinant monoclonal antibody, PBS Only

Catalog Number: 82954-2-PBS



## Basic Information

Catalog Number:

82954-2-PBS

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC069682

GeneID (NCBI):

10686

UNIPROT ID:

Q9Y5I7

Full Name:

claudin 16

Calculated MW:

305 aa, 34 kDa

Observed MW:

34 kDa

Purification Method:

Protein A purification

CloneNo.:

251611H8

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

## 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. They have similar structures with four transmembrane domains, with the N-terminus and the C-terminus in the cytoplasm. Claudin-16 is primarily found in the kidneys and is responsible for regulating the reabsorption of magnesium and calcium ions. Mutations in the Claudin-16 gene can lead to a rare genetic disorder called familial hypomagnesemia with hypercalciuria and nephrocalcinosis (FHHNC).

## 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:

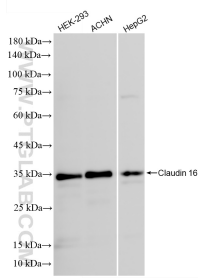
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82954-2-RR (Claudin 16 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82954-2-PBS in a different storage buffer formulation.