

For Research Use Only

CNNM4 Polyclonal antibody, PBS Only

Catalog Number: 14066-1-PBS

Featured Product



Basic Information

Catalog Number:

14066-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5121

GenBank Accession Number:

BC063295

GeneID (NCBI):

26504

UNIPROT ID:

Q6P4Q7

Full Name:

cyclin M4

Calculated MW:

87 kDa

Observed MW:

90-100 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

Ancient conserved domain-containing protein 4/cyclin M4 (CNNM4), a membrane protein that stimulates Mg²⁺ efflux, binds phosphatase of regenerating liver (PRL), which is frequently overexpressed in malignant human cancers (PMID: 25347473). CNNM4 is predominant in the brain, bone marrow, immune system, and especially abundant in the intestinal tract. CNNM4 localizes at the basolateral membrane of the intestinal epithelia and mediates transcellular Mg²⁺ transport (PMID: 27006114).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

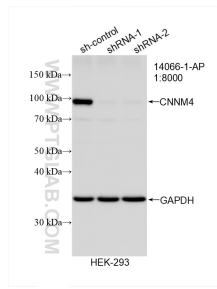
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

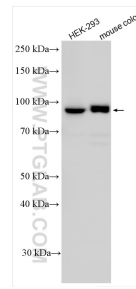
E: proteintech@ptglab.com
W: ptglab.com

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

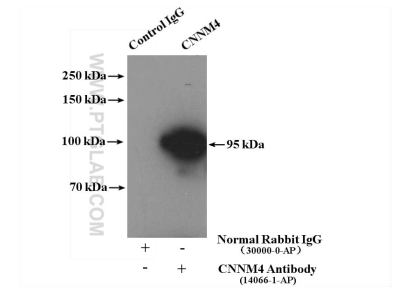
Selected Validation Data



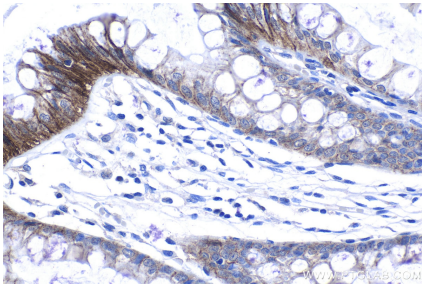
WB result of CNNM4 antibody (14066-1-AP; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CNNM4 transfected HEK-293 cells. This data was developed using the same antibody clone with 14066-1-PBS in a different storage buffer formulation.



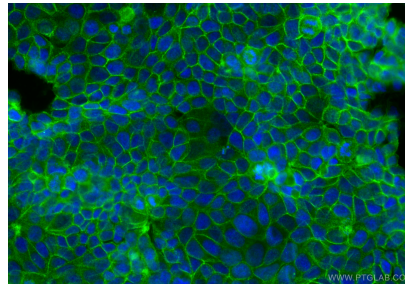
Various lysates were subjected to SDS PAGE followed by western blot with 14066-1-AP (CNNM4 antibody) at dilution of 1:25000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 14066-1-PBS in a different storage buffer formulation.



IP result of anti-CNNM4 (IP:14066-1-AP, 4ug; Detection:14066-1-AP 1:1000) with mouse testis tissue lysate 4400ug. This data was developed using the same antibody clone with 14066-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 14066-1-AP (CNNM4 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 14066-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using CNNM4 antibody (14066-1-AP) at dilution of 1:400 and Multi-rAb Coralite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). This data was developed using the same antibody clone with 14066-1-PBS in a different storage buffer formulation.