

For Research Use Only

CNNM4 Recombinant antibody, PBS Only

Catalog Number: 83824-5-PBS



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
83824-5-PBS	BC063295	Protein A purification
Concentration:	GeneID (NCBI):	CloneNo.:
1 mg/ml	26504	240873C1
Source:	UNIPROT ID:	
Rabbit	Q6P4Q7	
Isotype:	Full Name:	
IgG	cyclin M4	
Immunogen Catalog Number:	Calculated MW:	
AG5121	87 kDa	

Applications

Tested Applications:
IF/ICC, ELISA

Species Specificity:
human

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

Storage Buffer:
PBS Only

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

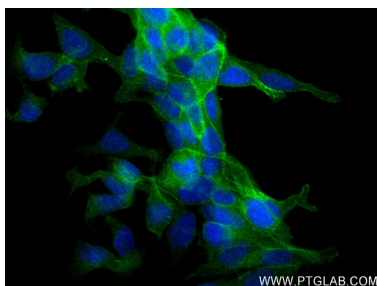
T: 4006900926

E: Proteintech-CN@ptglab.com

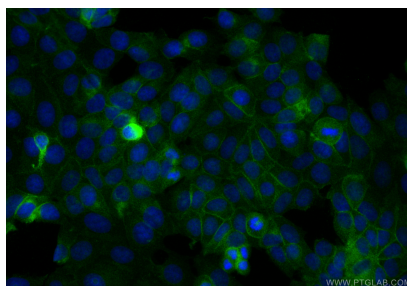
W: ptgcn.com

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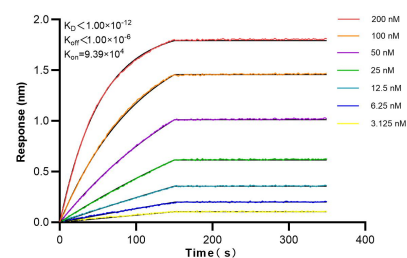
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed LNCaP cells using CNNM4 antibody (83824-5-RR, Clone: 240873C1) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 83824-5-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using CNNM4 antibody (83824-5-RR, Clone: 240873C1) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 83824-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83824-5-RR against Human CNNM4 were performed. The affinity constant is below 1 pM.