

For Research Use Only

# CNNM4 Recombinant antibody

Catalog Number: 83824-4-RR



## Basic Information

<b>Catalog Number:</b> 83824-4-RR	<b>GenBank Accession Number:</b> BC063295	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 26504	<b>CloneNo.:</b> 240873E9
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q6P4Q7	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> cyclin M4	
<b>Immunogen Catalog Number:</b> AG5121	<b>Calculated MW:</b> 87 kDa	
	<b>Observed MW:</b> 90-100 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, mouse testis tissue
<b>Species Specificity:</b> human	

## Background Information

Ancient conserved domain-containing protein 4/cyclin M4 (CNNM4), a membrane protein that stimulates Mg<sup>2+</sup> 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 Mg<sup>2+</sup> transport (PMID: 27006114).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

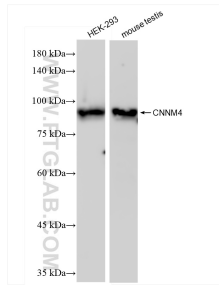
T: 4006900926

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

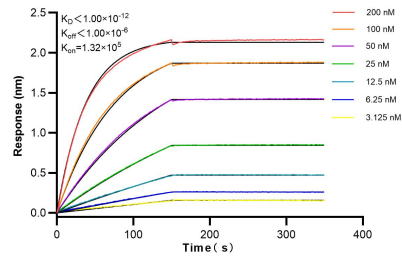
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83824-4-RR (CNNM4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83824-4-RR against Human CNNM4 were performed. The affinity constant is below 1 pM.