

# CNNM3 Polyclonal antibody

Catalog Number: 13976-1-AP

3 Publications

## Basic Information

## Catalog Number:

13976-1-AP

## Size:

500 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG5012

## GenBank Accession Number:

BC037272

## GeneID (NCBI):

26505

## UNIPROT ID:

Q8NE01

## Full Name:

cyclin M3

## Calculated MW:

76 kDa

## Observed MW:

85 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:1000-1:6000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF/ICC 1:50-1:500

## Applications

## Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

## Cited Applications:

WB, IP, IF

## Species Specificity:

human, mouse, rat

## Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Positive Controls:

WB : A431 cells, HepG2 cells, K-562 cells, Raji cells

IP : K-562 cells,

IHC : human spleen tissue,

IF/ICC : A431 cells,

## Background Information

Human Cyclin M3 (CNNM3) has five transmembrane domains located at the N-terminal region and a C terminus containing a CBS pair domain and a cyclin box, both of which are part of the ACD region. CNNM3 magnesium transporter raises the intracellular magnesium content of cancer cells contributing to increased tumor growth and the acquisition of oncogenic properties (PMID: 24632616).

## Notable Publications

Author	Pubmed ID	Journal	Application
S Hardy	24632616	Oncogene	WB,IP
Noriko Uetani	28679948	JCI Insight	WB,IF
Serge Hardy	36972446	Proc Natl Acad Sci U S A	WB,IP

## 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

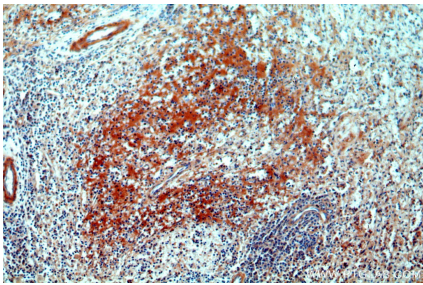
For technical support and original validation data for this product please contact:

T: 4006900926

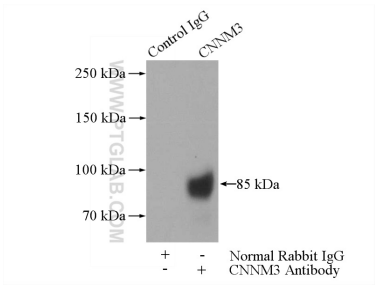
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

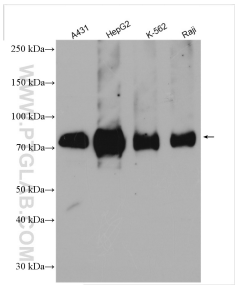
Selected Validation Data



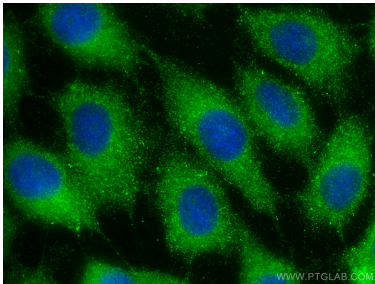
Immunohistochemical analysis of paraffin-embedded human spleen using 13976-1-AP (CNNM3 antibody) at dilution of 1:100 (under 10x lens).



IP result of anti-CNNM3 (IP:13976-1-AP, 4ug; Detection:13976-1-AP 1:500) with K-562 cells lysate 3600ug.



Various lysates were subjected to SDS PAGE followed by western blot with 13976-1-AP (CNNM3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using CNNM3 antibody (13976-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).