

For Research Use Only

CNNM3 Polyclonal antibody

Catalog Number: 13976-1-AP

3 Publications



Basic Information

Catalog Number:

13976-1-AP

Size:

150ul, Concentration: 260 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

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 ug 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

*** 20ul sizes contain 0.1% BSA

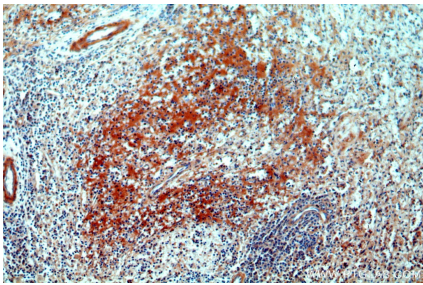
For technical support and original validation data for this product please contact:

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

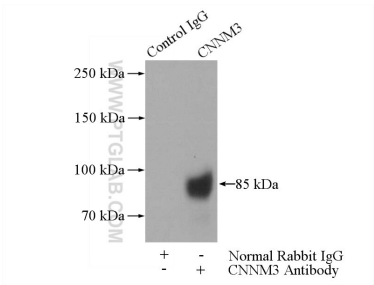
E: proteintech@ptglab.com
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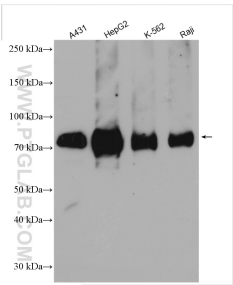
Selected Validation Data



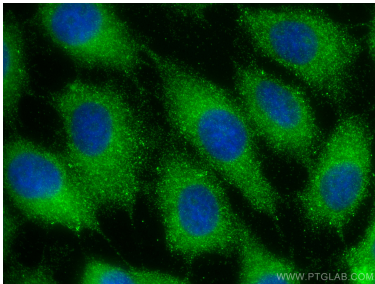
Immunohistochemical analysis of paraffin-embedded human spleen using 13976-1-AP (CNNM3 antibody) at dilution of 1:100 (under 10x lens).



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 Goat Anti-Rabbit IgG(H+L).