

For Research Use Only

CNNM3 Polyclonal antibody

Catalog Number: 13976-1-AP **3 Publications**



Basic Information

Catalog Number: 13976-1-AP	GenBank Accession Number: BC037272	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 260 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 26505	Recommended Dilutions: WB 1:1000-1:6000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: cyclin M3	IHC 1:20-1:200
Isotype: IgG	Calculated MW: 76 kDa	
Immunogen Catalog Number: AG5012	Observed MW: 85 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : A431 cells, HepG2 cells, K-562 cells, Raji cells IP : K-562 cells, IHC : human spleen tissue,
Cited Applications: IF, IP, WB	
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	

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

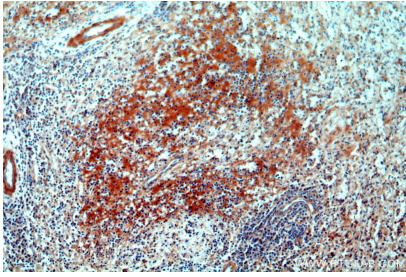
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

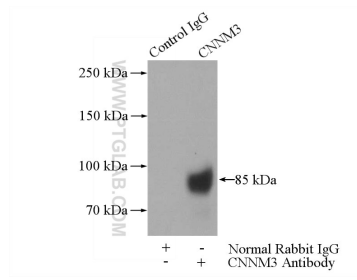
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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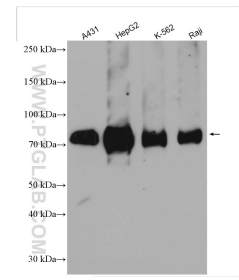
Selected Validation Data



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, 4 μ g; Detection:13976-1-AP 1:500) with K-562 cells lysate 3600 μ g.



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.