

For Research Use Only

ANP32B Monoclonal antibody

Catalog Number: 66160-1-Ig

Featured Product

1 Publications



Basic Information

Catalog Number: 66160-1-Ig	GenBank Accession Number: BC013003	Purification Method: Protein A purification
Size: 150ul , Concentration: 1800 µg/ml by Nanodrop and 887 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10541	CloneNo.: 5A1F12
Source: Mouse	Full Name: acidic (leucine-rich) nuclear phosphoprotein 32 family, member B	Recommended Dilutions: WB 1:5000-1:50000 IF 1:50-1:500
Isotype: IgG2b	Calculated MW: 29 kDa	
Immunogen Catalog Number: AG1274	Observed MW: 29 kDa	

Applications

Tested Applications:

IF, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : LNCaP cells, fetal human brain tissue, HEK-293 cells, mouse brain tissue, U2OS cells, A431 cells, HCT 116 cells, HeLa cells

IF : HepG2 cells,

Background Information

ANP32B is a member of the highly conserved acidic leucine-rich nuclear phosphoprotein 32 (ANP32) family. The ANP32 proteins have been implicated in a broad array of physiological processes, including cell differentiation, apoptotic cell death, and cell proliferation. ANP32B was identified as a novel direct substrate for caspase-3 and acted as a negative regulator for leukemic cell apoptosis. ANP32B controls the expression of the dendritic cell maturation factor CD83 by regulating the transport of its mRNA to the cytoplasm. It also modulates the activity of the transcription factor Kruppel-like factor 5 (KLF5).

Notable Publications

Author	Pubmed ID	Journal	Application
Ecco Staller	31217244	J Virol	WB

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

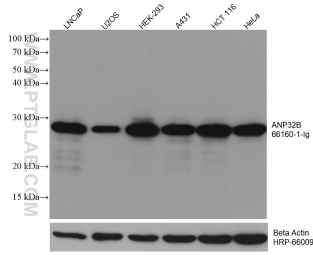
For technical support and original validation data for this product please contact:

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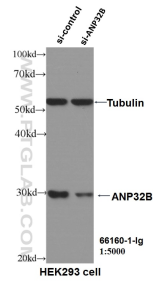
E: proteintech@ptglab.com
W: ptglab.com

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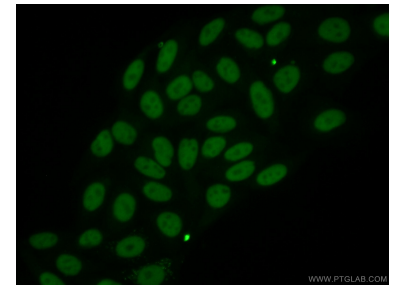
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66160-1-Ig (ANP32B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



WB result of ANP32B antibody (66160-1-Ig, 1:5000) with si-control and si-ANP32B transfected HEK293 cells.



Immunofluorescent analysis of HepG2 cells using 66160-1-Ig (ANP32B antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).