

For Research Use Only

# ANP32B Monoclonal antibody

Catalog Number: 66160-1-Ig

Featured Product

1 Publications



## Basic Information

**Catalog Number:**

66160-1-Ig

**Size:**

1800 µg/ml

**Source:**

Mouse

**Isotype:**

IgG2b

**Immunogen Catalog Number:**

AG1274

**GenBank Accession Number:**

BC013003

**GeneID (NCBI):**

10541

**UNIPROT ID:**

Q92688

**Full Name:**

acidic (leucine-rich) nuclear phosphoprotein 32 family, member B

**Calculated MW:**

29 kDa

**Observed MW:**

29 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

5A1F12

**Recommended Dilutions:**

WB 1:5000-1:50000

IF 1:50-1:500

## Applications

**Tested Applications:**

IF/ICC, 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

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

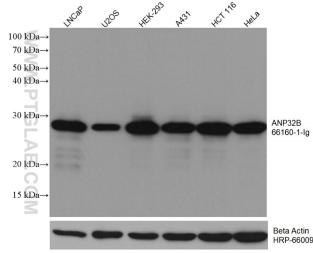
T: 4006900926

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

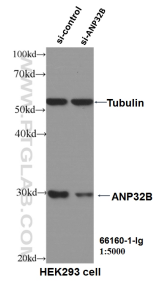
W: [ptgcn.com](http://ptgcn.com)

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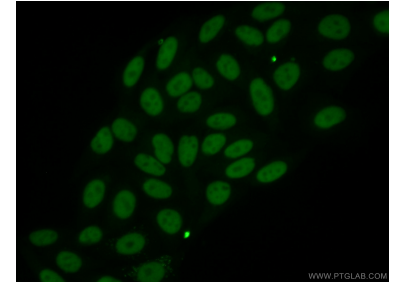
## Selected Validation Data



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).