

For Research Use Only

# ANP32B Polyclonal antibody

Catalog Number: 10843-1-AP

Featured Product

11 Publications



## Basic Information

**Catalog Number:**

10843-1-AP

**Size:**

150ul, Concentration: 500 µg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**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:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:8000

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

IHC 1:50-1:500

IF 1:50-1:500

## Applications

**Tested Applications:**

IF, IHC, IP, WB, ELISA

**Cited Applications:**

IHC, WB

**Species Specificity:**

human

**Cited Species:**

human, mouse

**Positive Controls:**

**WB:** A431 cells, HEK-293 cells, HeLa cells, HEK-293T cells

**IP:** HeLa cells,

**IHC:** human colon cancer tissue, human pancreas tissue

**IF:** HeLa cells,

**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

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	34524075	J Gen Virol	WB
Reilly Patrick T PT	21049064	PLoS One	WB
Yue Cui	34607503	Pharm Biol	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

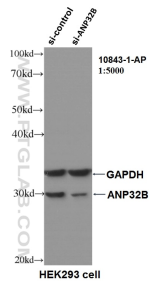
For technical support and original validation data for this product please contact:

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

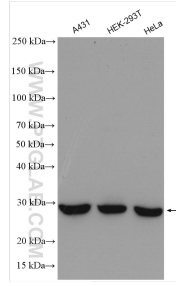
E: proteintech@ptglab.com  
W: ptglab.com

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

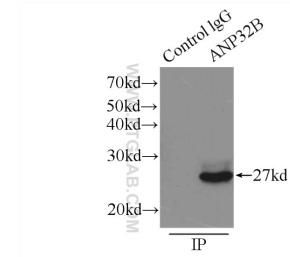
## Selected Validation Data



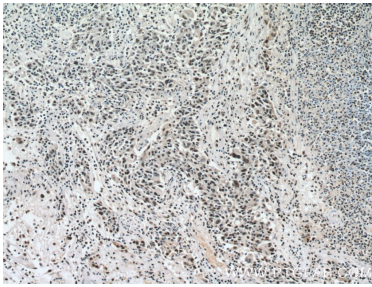
WB result of ANP32B antibody (10843-1-AP, 1:5000) with si-control and si-ANP32B transfected HEK293 cells.



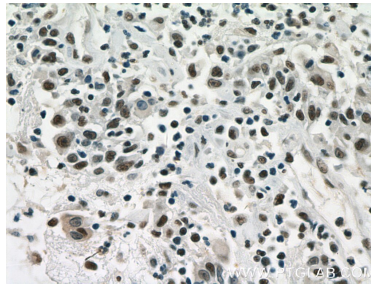
Various lysates were subjected to SDS PAGE followed by western blot with 10843-1-AP (ANP32B antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



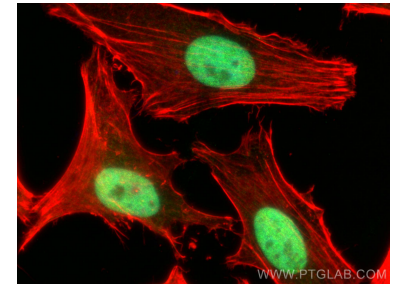
IP result of anti-ANP32B (IP:10843-1-AP, 3ug; Detection:10843-1-AP 1:1000) with HeLa cells lysate 3000ug.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10843-1-AP (ANP32B Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10843-1-AP (ANP32B Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using ANP32B antibody (10843-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).