

For Research Use Only

# ANP32A Monoclonal antibody

Catalog Number: 67687-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 67687-1-Ig	<b>GenBank Accession Number:</b> BC007200	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul, Concentration: 1000 µg/ml by Nanodrop and 500 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 8125	<b>CloneNo.:</b> 2D8C5
<b>Source:</b> Mouse	<b>Full Name:</b> acidic (leucine-rich) nuclear phosphoprotein 32 family, member A	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:200-1:800 IF 1:200-1:800
<b>Isotype:</b> IgG2a	<b>Calculated MW:</b> 249 aa, 29 kDa	
<b>Immunogen Catalog Number:</b> AG8546	<b>Observed MW:</b> 29 kDa	

## Applications

### Tested Applications:

IF, IHC, WB, ELISA

### Cited Applications:

WB

### Species Specificity:

Human, mouse, rat

**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:** A549 cells, HSC-T6 cells, HuH-7 cells, HeLa cells, Raji cells, Jurkat cells, Sp2/O cells

**IHC:** mouse brain tissue, human kidney tissue

**IF:** A431 cells,

## Background Information

ANP32A, an acidic leucine-rich nuclear phosphoprotein, is a member of the inhibitor of the histone acetyltransferase (INHAT) complex and preferentially binds to unmodified histone H3 tails in vitro. ANP32A is expressed in normal tissues as well as in pancreatic, breast and prostate cancer and other malignant tumors. ANP32A plays an important role in cell proliferation, apoptosis, transcriptional regulation, signal transduction and other processes.

## Notable Publications

Author	Pubmed ID	Journal	Application
Liu Sun	37436988	Sci Adv	WB

## Storage

### Storage:

Store at -20°C.

### 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

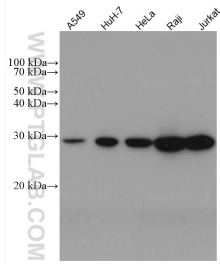
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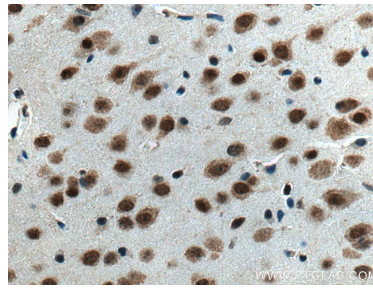
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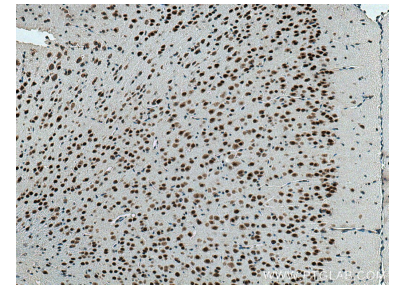
## Selected Validation Data



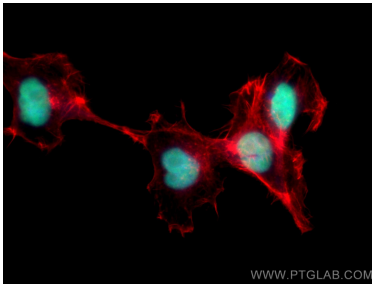
Various lysates were subjected to SDS PAGE followed by western blot with 67687-1-Ig (ANP32A antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67687-1-Ig (ANP32A antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67687-1-Ig (ANP32A antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using ANP32A antibody (67687-1-Ig, Clone: 2D8C5) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).