

ANP32A Monoclonal antibody

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

Basic Information

Catalog Number: 67687-1-Ig	GenBank Accession Number: BC007200	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 8125	CloneNo.: 2D8C5
Source: Mouse	UNIPROT ID: P39687	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:200-1:800 IF/ICC 1:200-1:800
Isotype: IgG2a	Full Name: acidic (leucine-rich) nuclear phosphoprotein 32 family, member A	
Immunogen Catalog Number: AG8546	Calculated MW: 249 aa, 29 kDa	
	Observed MW: 29 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Cited Applications: WB	WB : A549 cells, HSC-T6 cells, HuH-7 cells, HeLa cells, Raji cells, Jurkat cells, Sp2/0 cells
Species Specificity: human, mouse, rat	IHC : mouse brain tissue, human kidney tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IF/ICC : 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.

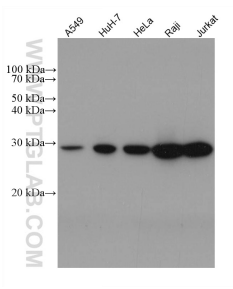
Notable Publications

Author	Pubmed ID	Journal	Application
Liuke Sun	37436988	Sci Adv	WB

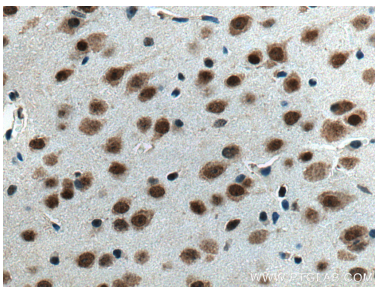
Storage

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

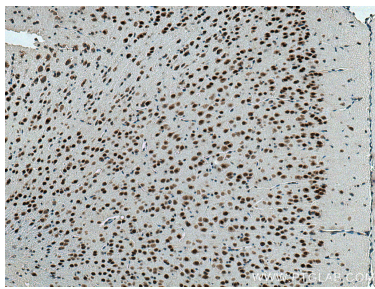
Selected Validation Data



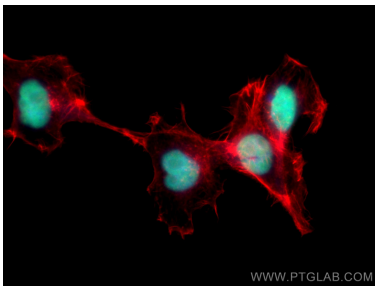
Various lysates were subjected to SDS PAGE followed by western blot with 67687-1-Ig (ANP32A antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using ANP32A antibody (67687-1-Ig, Clone: 2D8C5) at dilution of 1:800 and Multi-rAb CoraLite® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002), CL594-Phalloidin (red).