

Mouse anti-Human ANP32A Monoclonal Antibody | anti-ANP32A antibody

ANP32A Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA319943	Mouse	Human	ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

ANP32A; Monoclonal Antibody; ANP32A Monoclonal Antibody; Acidic leucine-rich nuclear phosphoprotein 32 family member A; C15orf1; LANP; MAPM; PHAP1; Acidic nuclear phosphoprotein pp32; Leucine-rich acidic nuclear protein; Mapmodulin; Potent heat-stable protein phosphatase 2A inhibitor; anti-ANP32A antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Specificity	ANP32A Monoclonal Antibody detects endogenous levels of ANP32A protein.
Purity/Purification	Affinity purification
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Applicable Applications for anti-ANP32A antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human ANP32A expressed in E coli.
Modification	Unmodified/Total
Function	Implicated in a number of cellular processes, including proliferation, differentiation, caspase-dependent and caspase-independent apoptosis, suppression of transformation (tumor suppressor), inhibition of protein phosphatase 2A, regulation of mRNA trafficking and stability in association with ELAVL1, and inhibition of acetyltransferases as part of the INHAT (inhibitor of histone acetyltransferases) complex. Plays a role in E4F1-mediated transcriptional repression.
PTM	Phosphorylated on serine residues.
PTM	The N-terminus is blocked. Belongs to the ANP32 family. Contains 4 LRR (leucine-rich) repeats.
Subcellular Location	Shuttles between nucleus and cytoplasm.
Subunit	Component of the SET complex, which also contains SET, APEX1, HMGB2 and NME1. Directly interacts with SET. Interacts with ATXN1/SCA1. Interacts with MAP1B (By similarity). Interacts with ELAVL1. Part of the INHAT (inhibitor of histone acetyltransferases) complex. Interacts with E4F1.
Tissue Specificity	Expressed in all tissues tested. Highly expressed in kidney and skeletal muscle, moderate levels of expression in brain, placenta and pancreas, and weakly expressed in lung. Found in all regions of the brain examined (amygdala, caudate nucleus, corpus callosum, hippocampus and thalamus), with highest levels in amygdala.
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IHC (Immunohiostchemistry)
Immunohistochemistry analysis of paraffin-embedded human kidney tissue with DAB staining using ANP32A Monoclonal Antibody.



WB (Western Blot)
Western Blot analysis using ANP32A Monoclonal Antibody against HeLa (1) cell lysate.

ADDITIONAL INFORMATION

Product Categories/Family for anti-ANP32A antibody	Primary Antibodies
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5453880
NCBI GeneID	8125
NCBI Accession #	NP_006296.1
NCBI GenBank Nucleotide #	NM_006305.3
UniProt Accession #	P39687; Q53FK4; Q5J8L8; Q7M4N6; B2R6T4
Molecular Weight	28,585 Da
NCBI Official Full Name	acidic leucine-rich nuclear phosphoprotein 32 family member A
NCBI Official Synonym Full Names	acidic (leucine-rich) nuclear phosphoprotein 32 family, member A
NCBI Official Symbol	ANP32A
NCBI Official Synonym Symbols	LANP; MAPM; PP32; HPPCn; PHAP1; PHAPI; I1PP2A; C15orf1
NCBI Protein Information	acidic leucine-rich nuclear phosphoprotein 32 family member A; acidic nuclear phosphoprotein pp32; cerebellar leucine rich acidic nuclear protein; hepatopoietin Cn; inhibitor-1 of protein phosphatase-2A; leucine-rich acidic nuclear protein; mapmodulin; po
UniProt Protein Name	Acidic leucine-rich nuclear phosphoprotein 32 family member A
UniProt Gene Name	ANP32A
UniProt Synonym Gene Names	C15orf1; LANP; MAPM; PHAP1; pp32; LANP; PHAPI
UniProt Entry Name	AN32A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/anp32a-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/319943>