

## ARG54448 anti-ANP32A / PHAP1 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes ANP32A / PHAP1
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Specificity	This antibody recognizes Human, Mouse and Rat PHAP1 (32 kDa), and does not cross-react with PHAP12a or PHAP3.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ANP32A / PHAP1
Species	Human
Immunogen	Synthetic peptide around the C-terminus of Human PHAP1 (P39687).
Conjugation	Un-conjugated
Alternate Names	Putative HLA-DR-associated protein I; Potent heat-stable protein phosphatase 2A inhibitor I1PP2A; Mapmodulin; pp32; PHAPI; C15orf1; PP32; I1PP2A; PHAP1; Acidic nuclear phosphoprotein pp32; LANP; Acidic leucine-rich nuclear phosphoprotein 32 family member A; HPPCn; MAPM; Leucine-rich acidic nuclear protein

### Application Instructions

Application table	Application	Dilution
	IHC-P	Assay-dependent
	WB	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Raji, Mouse testis, Rat testis and Mouse small intestine	

### Properties

Form	Liquid
Purification	Immunoaffinity chroma-tography
Buffer	PBS (pH 7.4) and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

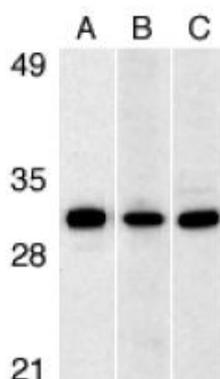
Gene Symbol	ANP32A
Gene Full Name	acidic (leucine-rich) nuclear phosphoprotein 32 family, member A
Background	The PHAP proteins (tumor suppressor putative HLA-DR associated proteins) are important regulators of mitochondrial apoptosis. PHAP facilitates apoptosome-mediated caspase-9 activation to stimulate the mitochondrial apoptosis pathway. In addition, PHAP opposes both Ras- and myc- mediated cell transformation.
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. [UniProt]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Cell Death antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	29 kDa
PTM	Phosphorylated on serine residues. The N-terminus is blocked. Some glutamate residues are glycosylated by TTL8. This modification occurs exclusively on glutamate residues and results in a glycine chain on the gamma-carboxyl group (By similarity).

## Images



ARG54448 anti-ANP32A / PHAP1 antibody IHC image

Immunohistochemistry: Mouse small intestine stained with ARG54448 anti-ANP32A / PHAP1 antibody at 2  $\mu$ g/ml dilution.



ARG54448 anti-ANP32A / PHAP1 antibody WB image

Western blot: A) Raji, B) Mouse testis and C) Mouse testis lysates stained with ARG54448 anti-ANP32A / PHAP1 antibody at 1  $\mu$ g/ml dilution.