

# PHAPI2 Polyclonal Antibody

Catalog # AP71878

## Product Information

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<b>Application</b>	WB, E, IHC-P
<b>Primary Accession</b>	<a href="#">Q92688</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	28788

## Additional Information

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<b>Gene ID</b>	10541
<b>Other Names</b>	ANP32B; APRIL; PHAPI2; Acidic leucine-rich nuclear phosphoprotein 32 family member B; Acidic protein rich in leucines; Putative HLA-DR-associated protein I-2; PHAPI2; Silver-stainable protein SSP29
<b>Dilution</b>	WB--Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications. E--N/A IHC-P--N/A
<b>Format</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
<b>Storage Conditions</b>	-20°C

## Protein Information

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<b>Name</b>	ANP32B
<b>Synonyms</b>	APRIL, PHAPI2
<b>Function</b>	Multifunctional protein that is involved in the regulation of many processes including cell proliferation, apoptosis, cell cycle progression or transcription (PubMed: <a href="#">18039846</a> , PubMed: <a href="#">20015864</a> ). Regulates the proliferation of neuronal stem cells, differentiation of leukemic cells and progression from G1 to S phase of the cell cycle. As negative regulator of caspase-3-dependent apoptosis, may act as an antagonist of ANP32A in regulating tissue homeostasis (PubMed: <a href="#">20015864</a> ). Exhibits histone chaperone properties, able to recruit histones to certain promoters, thus regulating the transcription of specific genes (PubMed: <a href="#">18039846</a> , PubMed: <a href="#">20538007</a> ). Also plays an essential role in the nucleocytoplasmic transport of specific mRNAs via the uncommon nuclear mRNA export receptor XPO1/CRM1 (PubMed: <a href="#">17178712</a> ). Participates in the regulation of adequate adaptive immune responses by acting on mRNA expression and cell proliferation (By similarity).

<b>Cellular Location</b>	[Isoform 1]: Nucleus. Cytoplasm Note=Accumulates in the nuclei at the S phase.
<b>Tissue Location</b>	Expressed in heart, lung, pancreas, prostate and in spleen, thymus and placenta.

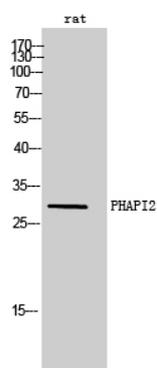
## Background

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Multifunctional protein working as a cell cycle progression factor as well as a cell survival factor. Required for the progression from the G1 to the S phase. Anti-apoptotic protein which functions as a caspase-3 inhibitor. Has no phosphatase 2A (PP2A) inhibitor activity (By similarity). Exhibits histone chaperone properties, stimulating core histones to assemble into a nucleosome.

## Images

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Western Blot analysis of rat cells using PHAPI2 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.