

**PHAPI2 Polyclonal Antibody**  
**Catalog # AP71878****Specification**

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**PHAPI2 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q92688</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

**PHAPI2 Polyclonal Antibody - Additional Information****Gene ID** 10541**Other Names**

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

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**PHAPI2 Polyclonal Antibody - Protein Information****Name** ANP32B**Synonyms** APRIL, PHAPI2**Function**

Multifunctional protein that is involved in the regulation of many processes including cell proliferation, apoptosis, cell cycle progression or transcription (PubMed:<a href="http://www.uniprot.org/citations/18039846" target="\_blank">18039846</a>, PubMed:<a href="http://www.uniprot.org/citations/20015864" target="\_blank">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="http://www.uniprot.org/citations/20015864" target="\_blank">20015864</a>). Exhibits histone chaperone properties, able to recruit histones to certain promoters, thus regulating the transcription of specific genes (PubMed:<a href="http://www.uniprot.org/citations/18039846" target="\_blank">18039846</a>, PubMed:<a href="http://www.uniprot.org/citations/20538007" target="\_blank">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="http://www.uniprot.org/citations/17178712" target="\_blank">17178712</a>). Participates in the regulation of adequate adaptive immune responses by acting on mRNA expression and cell proliferation (By similarity).

**Cellular Location**

[Isoform 1]: Nucleus. Cytoplasm Note=Accumulates in the nuclei at the S phase.

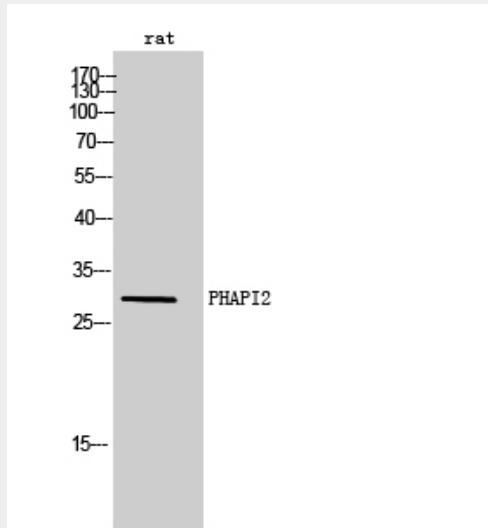
**Tissue Location**

Expressed in heart, lung, pancreas, prostate and in spleen, thymus and placenta.

**PHAPI2 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**PHAPI2 Polyclonal Antibody - Images****PHAPI2 Polyclonal Antibody - Background**

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.