

PHAPI2 Polyclonal Antibody
Catalog # AP71878**Specification**

PHAPI2 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	Q92688
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:18039846, PubMed:20015864). 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:20015864). Exhibits histone chaperone properties, able to recruit histones to certain promoters, thus regulating the transcription of specific genes (PubMed:18039846, PubMed:20538007). Also plays an essential role in the nucleocytoplasmic transport

of specific mRNAs via the uncommon nuclear mRNA export receptor XPO1/CRM1 (PubMed:17178712). 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

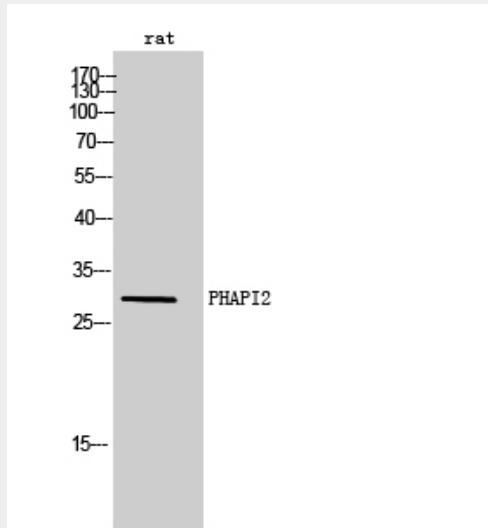
Expressed in heart, lung, pancreas, prostate and in spleen, thymus and placenta.

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



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

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.