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ANP32B (9C17) Rabbit Monoclonal Antibody

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Catalog # AP93752

Product Information

Application	WB, IHC-P, ICC, FC, IF
Primary Accession	Q92688, Q9EST5, Q9EST6
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Calculated MW	28788

Additional Information

Gene ID	10541
Dilution	WB~~1:1000 IHC-P~~N/A ICC~~N/A FC~~1:10~50 IF~~1:50~200
Storage Conditions	-20℃

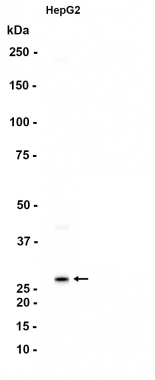
Protein Information

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.

Background

Enables RNA polymerase binding activity and histone binding activity. Involved in several processes, including activation of cysteine-type endopeptidase activity involved in apoptotic process; nucleosome assembly; and positive regulation of protein export from nucleus. Located in cytoplasm and nucleoplasm. Colocalizes with nucleolus. [provided by Alliance of Genome Resources, Apr 2022]

Images



Western blot analysis of extracts from Jurkat cells using AP93752 at 1:1000.

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