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KD-Validated Anti-ANP32B Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1212

Product Information

Application	WB, FC, ICC
Primary Accession	Q92688
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB3650
Calculated MW	28788
Gene Name	ANP32B
Aliases	ANP32B; Acidic Nuclear Phosphoprotein 32 Family Member B; PHAPI2; APRIL; Acidic Protein Rich In Leucines; SSP29; Acidic (Leucine-Rich) Nuclear Phosphoprotein 32 Family, Member B; Acidic Leucine-Rich Nuclear Phosphoprotein 32 Family Member B; Putative HLA-DR-Associated Protein I-2; Silver-Stainable Protein SSP29
Immunogen	A synthesized peptide derived from human PHAPI2 / APRIL

Additional Information

Gene ID	10541
Other Names	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, ANP32B, APRIL, PHAPI2

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.

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