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ANP32B Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP17005a

Specification

ANP32B Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q92688

ANP32B Antibody (N-term) Blocking Peptide - 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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ANP32B Antibody (N-term) Blocking Peptide - 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:20015864, PubMed:18039846). 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:20538007, PubMed:18039846). 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.

ANP32B Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

ANP32B Antibody (N-term) Blocking Peptide - Images

ANP32B Antibody (N-term) Blocking Peptide - 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).

ANP32B Antibody (N-term) Blocking Peptide - References

Tochio, N., et al. J. Mol. Biol. 401(1):97-114(2010)Shen, S.M., et al. Carcinogenesis 31(3):419-426(2010)Chemnitz, J., et al. Eur. J. Immunol. 39(1):267-279(2009)Munemasa, Y., et al. Mol. Cell. Biol. 28(3):1171-1181(2008)Olsen, J.V., et al. Cell 127(3):635-648(2006)