PHAPI2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PHAPI2, Polyclonal Antibody
Full Product Name	PHAPI2 (Acidic Leucine-rich Nuclear Phosphoprotein 32 Family Member B, Acidic Protein Rich in Leucines, Putative HLA-DR-associated Protein I-2, ANP32B, Silver-stainable Protein SSP29, APRIL) (MaxLight 405)
Product Gene Name	anti-PHAPI2 antibody
Product Synonym Gene Name	ANP32B
Product Synonym 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; Silver-stainable protein SSP29
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	28,788 Da
Chromosome Location	Chromosome: 9; NC_000009.11 (100745489..100778225). Location: 9q22.32
3D Structure	ModBase 3D Structure for Q92688
Immunogen	ANP32B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 16-45 amino acids from the N-terminal region of human ANP32B.
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-PHAPI2 antibody	Antibodies; Apoptosis
Applications Tested/Suitable for anti-PHAPI2 antibody	Western Blot (WB), FLISA
Application Notes for anti-PHAPI2 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-PHAPI2 antibody	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).
Product References and Citations for anti-PHAPI2 antibody	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).

Other Notes	Small volumes of anti-PHAPI2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PHAPI2 purchase	MBS6273845 is an antibody targeting PHAPI2. Also known as PHAPI2 (Acidic Leucine-rich Nuclear Phosphoprotein 32 Family Member B, Acidic Protein Rich in Leucines, Putative HLA-DR-associated Protein I-2, ANP32B, Silver-stainable Protein SSP29, APRIL) (MaxLight 405). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PHAPI2. It may not necessarily be applicable to this product.

NCBI GI #	5454088
NCBI GeneID	10541
NCBI Accession #	NP_006392.1
UniProt Primary Accession #	Q92688
UniProt Secondary Accession #	O00655; P78458; P78459; B2R9C7
UniProt Related Accession #	Q92688
GenBank Nucleotide #	NM_006401.2
NCBI Official Full Name	acidic leucine-rich nuclear phosphoprotein 32 family member B
NCBI Official Synonym Full Names	acidic (leucine-rich) nuclear phosphoprotein 32 family, member B
NCBI Official Symbol	ANP32B
NCBI Official Synonym Symbols	APRIL; SSP29; PHAPI2
UniProt Protein Name	Acidic leucine-rich nuclear phosphoprotein 32 family member B
UniProt Synonym Protein Names	Acidic protein rich in leucines; Putative HLA-DR-associated protein I-2; PHAPI2; Silver-stainable protein SSP29
UniProt Gene Name	ANP32B
UniProt Synonym Gene Names	APRIL; PHAPI2; PHAPI2
UniProt Entry Name	AN32B_HUMAN
NCBI Protein Information	acidic leucine-rich nuclear phosphoprotein 32 family member B; silver-stainable protein SSP29; acidic protein rich in leucines; putative HLA-DR-associated protein I-2
UniProt Comments for PHAPI2	ANP32B: 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. Exhibits histone chaperone properties, stimulating core histones to assemble into a nucleosome. Belongs to the ANP32 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Chaperone Chromosomal Location of Human Ortholog: 9q22.32 Cellular Component: cytoplasm; nucleolus; nucleus Molecular Function: histone binding Biological Process: positive regulation of protein export from nucleus; caspase activation; nucleosome assembly; negative regulation of cell differentiation; vasculature development; ventricular system development; palate development; inner ear development
Research Articles on PHAPI2	**1.** this is the first demonstration that ANP32B expression was down-regulated during differentiation induction of leukemic cells by all-trans retinoic acid.

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