

For Research Use Only

PHAX Polyclonal antibody

Catalog Number: 16481-1-AP



Basic Information

Catalog Number: 16481-1-AP	GenBank Accession Number: BC021161	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 147 µg/ml by Nanodrop and 147 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 51808	Recommended Dilutions: WB 1:500-1:3000 IF 1:50-1:500
Source: Rabbit	Full Name: phosphorylated adaptor for RNA export	
Isotype: IgG	Calculated MW: 394 aa, 44 kDa	
Immunogen Catalog Number: AG9602	Observed MW: 55 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls: WB : HeLa cells, HepG2 cells
Species Specificity: human, mouse, rat	IF : HeLa cells,

Background Information

Small nuclear and small nucleolar RNAs (snRNAs and snoRNAs) are essential components of snRNPs and snoRNPs, and have a critical role in the maturation of, respectively, mRNAs and rRNAs within the nucleus of eukaryotic cells. Complex and specific pathways exist for the assembly of snRNPs and snoRNPs, involving, nucleocytoplasmic transport of snRNAs and intranuclear transport between compartments of snoRNAs. In metazoa, a subset of spliceosomal snRNAs are exported from the nucleus after transcription. This export occurs in a large complex containing a snRNA, the nuclear cap binding complex (CBC), RanGTP, the leucine-rich nuclear export signal receptor CRM1/Xpo1, and the recently identified phosphoprotein PHAX (phosphorylated adaptor for RNA export). PHAX contains a conserved single-stranded nucleic acid binding domain (RNA_GG_bind domain) with no sequence homology with any other known RNA-binding module [PMID:15574332,11333016, 15574332]

Storage

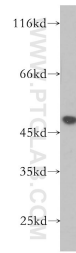
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

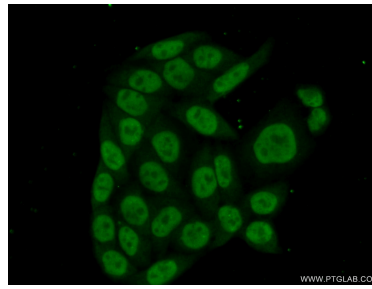
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 16481-1-AP (PHAX antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 16481-1-AP (PHAX antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).