

For Research Use Only

PHAX Polyclonal antibody

Catalog Number: 16481-1-AP

1 Publications



Basic Information

Catalog Number:

16481-1-AP

Size:

150ul, Concentration: 147 ug/ml by Nanodrop and 147 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9602

GenBank Accession Number:

BC021161

GeneID (NCBI):

51808

UNIPROT ID:

Q9H814

Full Name:

phosphorylated adaptor for RNA export

Calculated MW:

394 aa, 44 kDa

Observed MW:

55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HeLa cells, HepG2 cells

IF/ICC : 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]

Notable Publications

Author	Pubmed ID	Journal	Application
Chenxin Xu	38828688	Adv Sci (Weinh)	

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

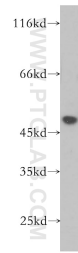
For technical support and original validation data for this product please contact:

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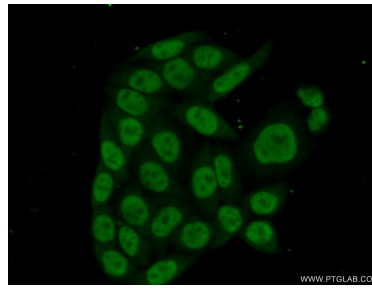
E: proteintech@ptglab.com
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Selected Validation Data



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 Goat Anti-Rabbit IgG(H+L).