

For Research Use Only

# PHAX Polyclonal antibody

Catalog Number: 16481-1-AP **1 Publications**



## Basic Information

**Catalog Number:**

16481-1-AP

**Size:**

147 µg/ml

**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

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

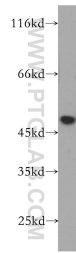
T: 4006900926

E: Proteintech-CN@ptglab.com

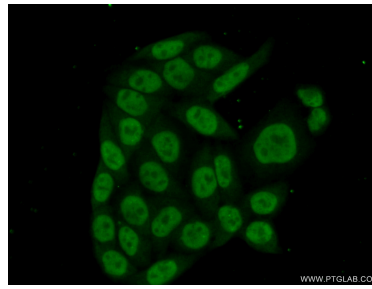
W: ptgcn.com

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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).