

Datasheet for ABIN954114  
**anti-PHAX antibody (C-Term)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	0.4 mL
Target:	PHAX
Binding Specificity:	AA 304-334, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PHAX antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	KLH conjugated synthetic peptide between 304-334 amino acids from the C-terminal region of Human PHAX / RNUXA
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human PHAX / RNUXA (C-term).
Purification:	Protein A column, followed by peptide affinity purification

## Target Details

Target:	PHAX
Alternative Name:	PHAX / RNUXA ( <a href="#">PHAX Products</a> )

## Target Details

Background:	<p>A phosphoprotein adapter involved in the XPO1-mediated U snRNA export from the nucleus. Bridge components required for U snRNA export, the cap binding complex (CBC)-bound snRNA on the one hand and the GTPase Ran in its active GTP-bound form together with the export receptor XPO1 on the other. Its phosphorylation in the nucleus is required for U snRNA export complex assembly and export, while its dephosphorylation in the cytoplasm causes export complex disassembly. It is recycled back to the nucleus via the importin alpha/beta heterodimeric import receptor. The directionality of nuclear export is thought to be conferred by an asymmetric distribution of the GTP-and GDP-bound forms of Ran between the cytoplasm and nucleus. Its compartmentalized phosphorylation cycle may also contribute to the directionality of export. Binds strongly to m7G-capped U1 and U5 small nuclear RNAs (snRNAs) in a sequence-unspecific manner and phosphorylation-independent manner (By similarity). Plays also a role in the biogenesis of U3 small nucleolar RNA (snoRNA). Involved in the U3 snoRNA transport from nucleoplasm to Cajal bodies. Binds strongly to m7G-capped U3, U8 and U13 precursor snoRNAs and weakly to trimethylated (TMG)-capped U3, U8 and U13 snoRNAs. Binds also to telomerase RNA.Synonyms: Phosphorylated adapter RNA export protein, RNA U small nuclear RNA export adapter protein</p>
-------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Gene ID:	51808
----------	-------

NCBI Accession:	<a href="#">NP_115553</a>
-----------------	---------------------------

Pathways:	<a href="#">Ribonucleoprotein Complex Subunit Organization</a>
-----------	----------------------------------------------------------------

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
--------------------	--------------------------------------------------------------------

Restrictions:	For Research Use only
---------------	-----------------------

## Handling

Format:	Liquid
---------	--------

Concentration:	0.25 mg/mL
----------------	------------

Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
---------	----------------------------------------------------------

Preservative:	Sodium azide
---------------	--------------

Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
--------------------	------------------------------------------------------------------------------------------------------------------------

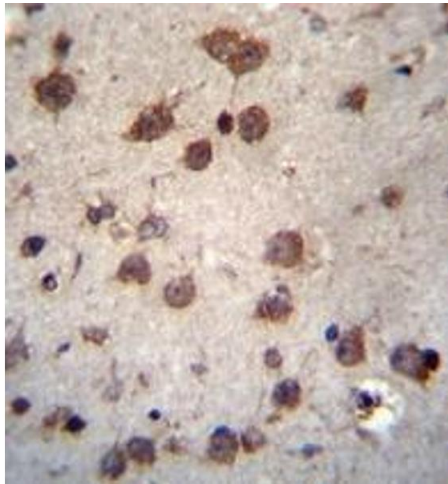
Handling Advice:	Avoid repeated freezing and thawing.
------------------	--------------------------------------

## Handling

Storage: 4 °C/-20 °C

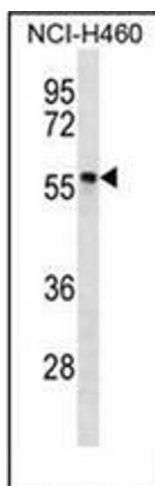
Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

## Validation report #100923 for Western Blotting (WB)



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue reacted with PHAX Antibody (C-term) followed which was peroxidase conjugated to the secondary antibody and followed by DAB staining. This data demonstrates the use of PHAX Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



### Western Blotting

**Image 2.** Western blot analysis of PHAX Antibody (C-term) Cat.-No AP53277PU-N in NCI-H460 cell line lysates (35ug/lane). This demonstrates the PHAX antibody detected the PHAX protein (arrow).