# antibodies - online.com







# anti-PHAX antibody (C-Term)

**Images** 



Overview		
Quantity:	400 μL	
Target:	PHAX	
Binding Specificity:	AA 297-326, 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))	
Product Details		
Immunogen:	This PHAX antibody is generated from rabbits immunized with a KLH conjugated synthetic	
	peptide between 297-326 amino acids from the C-terminal region of human PHAX.	
Clone:	RB32550	
Isotype:	lg Fraction	
Predicted Reactivity:	B, M, Rat	
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.	
Target Details		
Target:	PHAX	
Alternative Name:	PHAX (PHAX Products)	

#### **Target Details**

Background:

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.

Molecular Weight:	44403	
Gene ID:	51808	
NCBI Accession:	NP_115553	
UniProt:	Q9H814	
Pathways:	Ribonucleoprotein Complex Subunit Organization	

#### **Application Details**

Application Notes:	WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

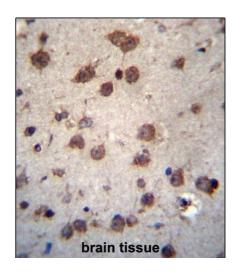
#### Handling

Format:	Liquid	
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.	
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

Storage:	4 °C,-20 °C	
Storage Comment:	ment: PHAX Antibody (C-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage place the at -20 °C.	
Expiry Date:	6 months	

## Validation report #102069 for Western Blotting (WB)



NCI-	H460
95 72	
55	••
36	
28	
	33

#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** PHAX Antibody (C-term) (ABIN656761 and ABIN2845982) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PHAX Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **Western Blotting**

**Image 2.** PHAX Antibody (C-term) (ABIN656761 and ABIN2845982) western blot analysis in NCI- cell line lysates (35  $\mu$ g/lane).This demonstrates the PHAX antibody detected the PHAX protein (arrow).