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Datasheet for ABIN7163410

anti-PHAX antibody (AA 6-243) (Biotin)

Overview

Quantity:	100 µg
Target:	PHAX
Binding Specificity:	AA 6-243
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PHAX antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Phosphorylated adapter RNA export protein (6-243AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	PHAX
Alternative Name:	PHAX (PHAX Products)
Background:	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)-

Target Details

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.

Aliases: FLJ13193 antibody, PHAX antibody, PHAX_HUMAN antibody, Phosphorylated adapter RNA export protein antibody, Phosphorylated adaptor for RNA export antibody, RNA U small nuclear RNA export adapter protein antibody, RNA U, small nuclear RNA export adapter (phosphorylation regulated) antibody, RNUXA antibody

UniProt: [Q9H814](#)

Pathways: [Ribonucleoprotein Complex Subunit Organization](#)

Application Details

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

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

Storage: -20 °C, -80 °C

Handling

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.