

DATASHEET

NOL9 Rabbit Polyclonal Antibody

CAT. NO. APA19123

KEY FEATURES

Target	NOL9	Source / Host	Rabbit
Reactivity	Human	Clonality	Polyclonal
Applications	WB, FC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

Polynucleotide kinase that can phosphorylate the 5'-hydroxyl groups of single-stranded and double-stranded RNA and DNA substrates. Involved in rRNA processing and its kinase activity is required for the processing of the 32S precursor into 5.8S and 28S rRNAs, more specifically for the generation of the major 5.8S(S) form. Required for the efficient pre-rRNA processing of internal transcribed spacer 2 (ITS2). Associates with LAS1L to form an ITS2 pre-rRNA endonuclease-kinase complex and is responsible for the transport of this complex into the nucleolus.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
FC	1:10 - 1:50

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to NOL9
Specificity	Recognizes endogenous levels of NOL9 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-terminal region of human NOL9. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 79 kD; Observed: 90 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	Polynucleotide 5'-hydroxyl-kinase NOL9; Nucleolar protein 9
Gene Symbol	NOL9
Entrez Gene	79707(Human)
SwissProt	Q5SY16(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

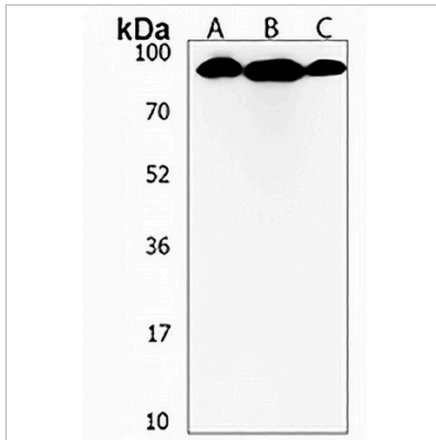
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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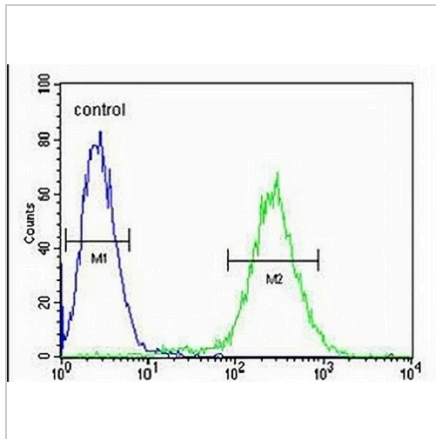
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DATA



Western blot analysis of NOL9 expression in Jurkat (A), 293 (B), HeLa (C) whole cell lysates. (Predicted band size: 79 kD; Observed band size: 90 kD)



Flow cytometric analysis of Jurkat cells using Anti-NOL9 Antibody. The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody at 37 °C for 60 min. The secondary antibody Goat Anti-Rabbit IgG (H&L) - AREX® Fluor 488 was incubated at 37 °C for 40 min. Isotype control antibody (blue line) was used under the same condition.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.