10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NOL9 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9913b

Product Information

Application	WB, FC, E
Primary Accession	Q5SY16
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	79323
Antigen Region	668-696

Additional Information

Gene ID	79707
Other Names	Polynucleotide 5'-hydroxyl-kinase NOL9, 271-, Nucleolar protein 9, NOL9
Target/Specificity	This NOL9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 668-696 amino acids from the C-terminal region of human NOL9.
Dilution	WB~~1:1000 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	NOL9 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

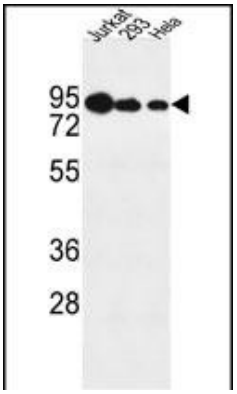
Name	NOL9
Function	Polynucleotide kinase that can phosphorylate the 5'-hydroxyl groups of single-stranded and double-stranded RNA and DNA substrates (PubMed:21063389). Involved in rRNA processing and its kinase activity is required for the processing of the 32S precursor into 5.8S and 28S rRNAs, more specifically for the generation of the major 5.8S(S) form (PubMed:21063389). Required for the efficient pre-rRNA processing of

	internal transcribed spacer 2 (ITS2) (PubMed:21063389). Associates with LAS1L to form an ITS2 pre-rRNA endonuclease-kinase complex and is responsible for the transport of this complex into the nucleolus (PubMed:31288032).
Cellular Location	Nucleus {ECO:0000250|UniProtKB:Q3TZX8}. Nucleus, nucleolus. Note=Colocalizes with pre-60S rRNP particles

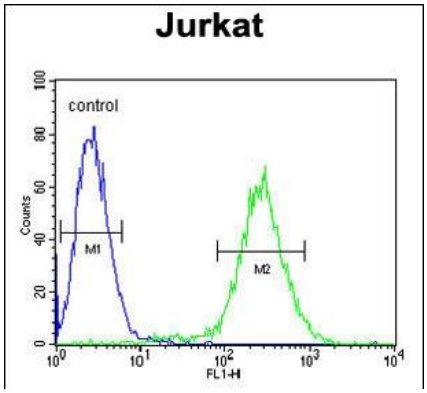
References

Scherl, A., et al. Mol. Biol. Cell 13(11):4100-4109(2002) Wistow, G., et al. Mol. Vis. 8, 205-220 (2002) Andersen, J.S., et al. Curr. Biol. 12(1):1-11(2002)

Images



NOL9 Antibody (C-term) (Cat. #AP9913b) western blot analysis in Jurkat,293,Hela cell line lysates (35ug/lane).This demonstrates the NOL9 antibody detected the NOL9 protein (arrow).



NOL9 Antibody (C-term) (Cat. #AP9913b) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Citations

- LAS1L interacts with the mammalian Rix1 complex to regulate ribosome biogenesis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.