

For Research Use Only

# NOL11 Recombinant antibody

Catalog Number: 83391-6-RR



## Basic Information

<b>Catalog Number:</b> 83391-6-RR	<b>GenBank Accession Number:</b> BC064404	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 25926	<b>CloneNo.:</b> 240371B5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9H8H0	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF/ICC 1:200-1:800
<b>Isotype:</b> IgG	<b>Full Name:</b> nucleolar protein 11	
<b>Immunogen Catalog Number:</b> AG11783	<b>Calculated MW:</b> 719 aa, 81 kDa	
	<b>Observed MW:</b> 81 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, FC (Intra), ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> HeLa cells, HepG2 cells, HT-29 cells, SW480 cells, A431 cells
	<b>IF/ICC :</b> HeLa cells,

## Background Information

NOL11, also named as L14, is a ribosome biogenesis factor. It is required for both optimal rDNA transcription and small subunit (SSU) pre-rRNA processing at sites A', A0, 1 and 2b. NOL11 forms a protein complex with two tryptophan-aspartic acid (WD) repeat proteins named WD-repeat protein 43 (WDR43) and Cirhin in mitotic cells. NOL11 plays a role in pathogenesis of NAIC. There're some isoforms with MW 81 kDa and 19 kDa.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

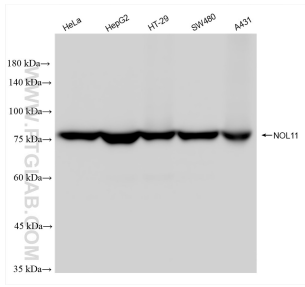
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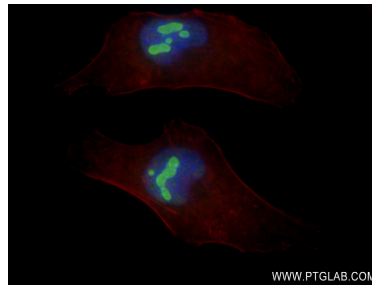
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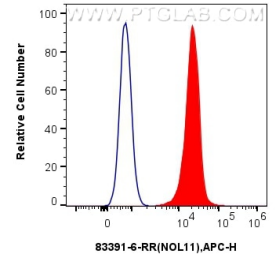
## Selected Validation Data



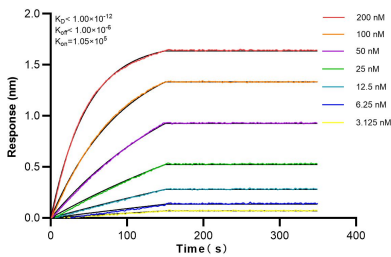
Various lysates were subjected to SDS PAGE followed by western blot with 83391-6-RR (NOL11 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using NOL11 antibody (83391-6-RR, Clone: 240371B5) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.25 ug NOL11 Recombinant antibody (83391-6-RR, Clone:240371B5) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Bi-layer interferometry (BLI) kinetic assays of 83391-6-RR against Human NOL11 were performed. The affinity constant is below 1 pM.