

For Research Use Only

NOL11 Recombinant antibody

Catalog Number: 83391-6-RR



Basic Information

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

Applications

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

For technical support and original validation data for this product please contact:

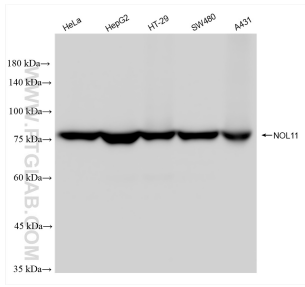
T: 4006900926

E: Proteintech-CN@ptglab.com

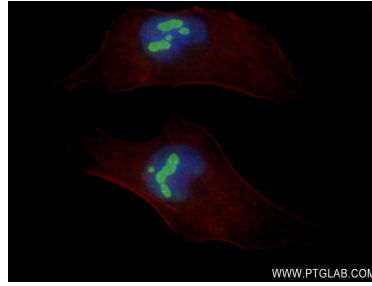
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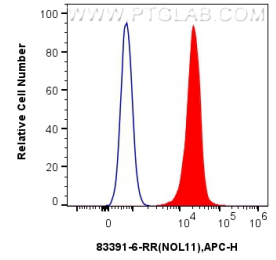
Selected Validation Data



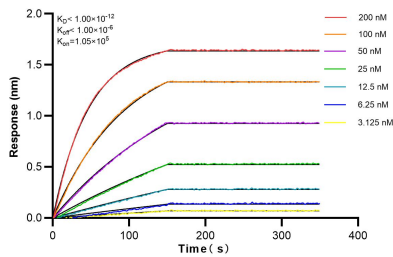
Various lysates were subjected to SDS PAGE followed by western blot with 83391-6-RR (NOL11 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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).



1x10⁶ 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.