

For Research Use Only

NOP56 Polyclonal antibody

Catalog Number: 18181-1-AP

2 Publications



Basic Information

Catalog Number: 18181-1-AP	GenBank Accession Number: BC104791	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 10528	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: NOP56 ribonucleoprotein homolog (yeast)	
Isotype: IgG	Calculated MW: 594 aa, 66 kDa	
Immunogen Catalog Number: AG12882	Observed MW: 66 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : NIH/3T3 cells, A549 cells, HeLa cells
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	

Background Information

Box C/D RNA-protein complexes (RNPs) guide the 2'-O-methylation of nucleotides in eukaryotic ribosomal RNAs. The box C/D and C'/D' RNP subcomplexes are each assembled with three sRNP core proteins. The Nop56 core protein mediates crucial protein-protein interactions required for both sRNP assembly and the methyltransferase reaction by bridging the L7Ae and fibrillarin core proteins [PMID:22496443]. NOP56 is a component of the box C/D small nucleolar ribonucleoprotein complexes that direct 2-prime-O-methylation of pre-ribosomal RNA (rRNA) during its maturation. It is predicted to function in an early to middle step in pre-rRNA processing [PMID:12777385].

Notable Publications

Author	Pubmed ID	Journal	Application
Marlene Cervantes	32450515	iScience	WB
Miao Bai	34512161	Int J Biol Sci	WB

Storage

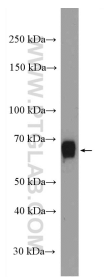
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

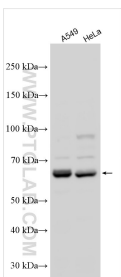
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Selected Validation Data



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 18181-1-AP (NOP56 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 18181-1-AP (NOP56 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.