

For Research Use Only

NSUN7 Recombinant antibody

Catalog Number:84795-1-RR



Basic Information

Catalog Number: 84795-1-RR	GenBank Accession Number: BC036568	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 79730	CloneNo.: 242358B7
Source: Rabbit	UNIPROT ID: Q8NE18	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: NOL1/NOP2/Sun domain family, member 7	
Immunogen Catalog Number: AG11650	Calculated MW: 718 aa, 81 kDa	
	Observed MW: 81-90 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : A549 cells,
Species Specificity: human, rat	

Background Information

NSUN7 (NOP2/Sun RNA methyltransferase family member 7) is involved in mitochondrial rRNA processing in post-meiotic sperm and is predicted to act upstream of or within flagellated sperm motility and sperm mitochondrion organization. In humans, Nsun7 encodes a protein with 718-amino acid and 3697-bp belonging to the methyltransferase superfamily (PMID: 37173708). The failure to produce NSUN7 would lead to the impairment in activity and motility of sperm flagella, leading to sperm motility deficit and infertility (PMID: 25702163).

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

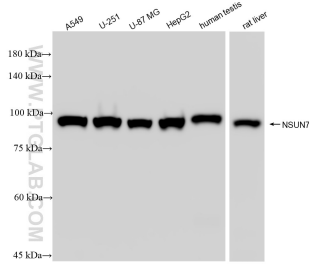
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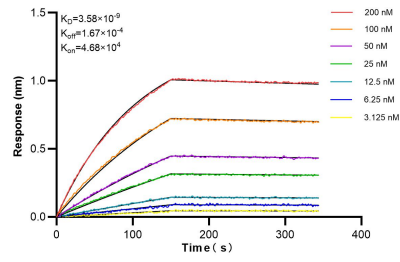
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84795-1-RR (NSUN7 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84795-1-RR against Human NSUN7 were performed. The affinity constant is 3.58 nM.