

For Research Use Only

NSUN7 Recombinant antibody, PBS Only (Capture)

Catalog Number: 84795-1-PBS



Basic Information

Catalog Number: 84795-1-PBS	GenBank Accession Number: BC036568	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 79730	CloneNo.: 242358B7
Source: Rabbit	UNIPROT ID: Q8NE18	
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, Cytometric bead array, Indirect ELISA

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

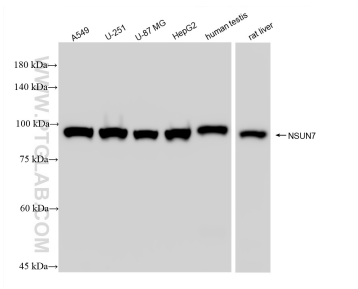
T: 4006900926

E: Proteintech-CN@ptglab.com

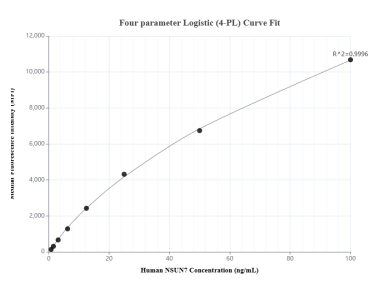
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

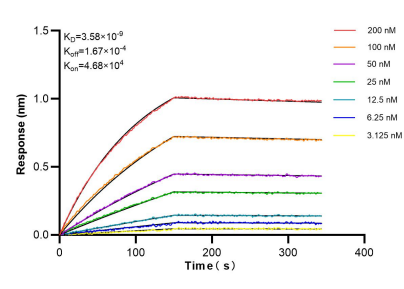
Selected Validation Data



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. This data was developed using the same antibody clone with 84795-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01594-1, NSUN7 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84795-1-PBS. Detection antibody: 84795-2-PBS. Standard: Ag11650. Range: 0.781-100 ng/mL.



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