

For Research Use Only

NSUN7 Polyclonal antibody

Catalog Number: 29787-1-AP



Basic Information

Catalog Number: 29787-1-AP	GenBank Accession Number: BC036568	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 ug/ml by Nanodrop;	GeneID (NCBI): 79730	Recommended Dilutions: WB 1:1000-1:4000
Source: Rabbit	Full Name: NOL1/NOP2/Sun domain family, member 7	
Isotype: IgG	Calculated MW: 718 aa, 81 kDa	
Immunogen Catalog Number: AG31860	Observed MW: 80 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse testis tissue, rat testis tissue
Species Specificity: human, mouse, 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

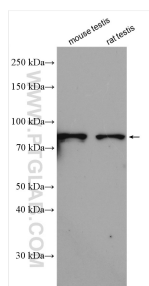
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29787-1-AP (NSUN7 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.