

For Research Use Only

# NSUN7 Polyclonal antibody, PBS Only

Catalog Number:17546-1-PBS



## Basic Information

<b>Catalog Number:</b> 17546-1-PBS	<b>GenBank Accession Number:</b> BC036568	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 79730	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8NE18	
<b>Isotype:</b> IgG	<b>Full Name:</b> NOL1/NOP2/Sun domain family, member 7	
<b>Immunogen Catalog Number:</b> AG11650	<b>Calculated MW:</b> 718 aa, 81 kDa	
	<b>Observed MW:</b> 80 kDa	

## Applications

**Tested Applications:**  
WB, IHC, Indirect ELISA

**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 -80°C.

**Storage Buffer:**  
PBS Only

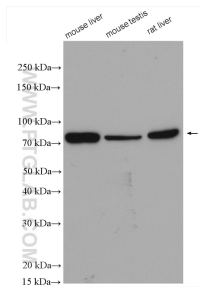
For technical support and original validation data for this product please contact:

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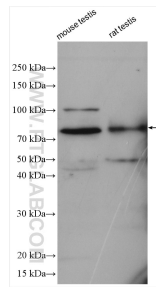
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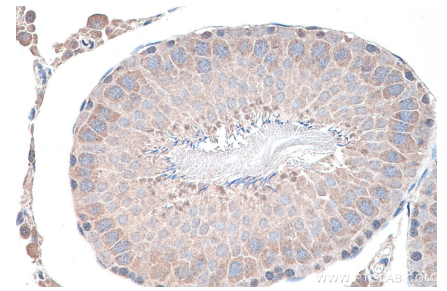
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 17546-1-AP (NSUN7 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 17546-1-PBS in a different storage buffer formulation.



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Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using 17546-1-AP (NSUN7 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 17546-1-PBS in a different storage buffer formulation.