

For Research Use Only

NSUN7 Polyclonal antibody, PBS Only

Catalog Number:17546-1-PBS



Basic Information

Catalog Number:

17546-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11650

GenBank Accession Number:

BC036568

GeneID (NCBI):

79730

UNIPROT ID:

Q8NE18

Full Name:

NOL1/NOP2/Sun domain family,
member 7

Calculated MW:

718 aa, 81 kDa

Observed MW:

80 kDa

Purification Method:

Antigen affinity purification

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.

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:

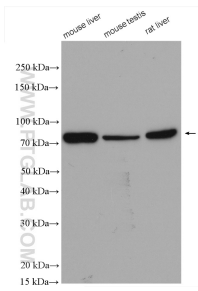
T: 4006900926

E: Proteintech-CN@ptglab.com

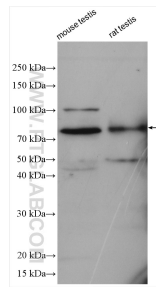
W: ptgcn.com

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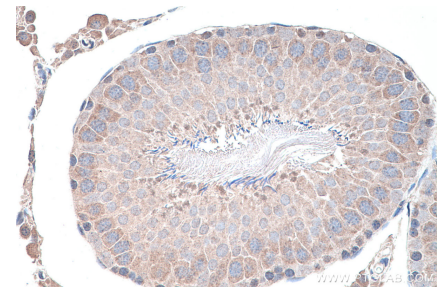
Selected Validation Data



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.