

For Research Use Only

NSUN7 Polyclonal antibody

Catalog Number: 17546-1-AP

1 Publications



Basic Information

Catalog Number:

17546-1-AP

Size:

750 ug/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

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:250-1:1000

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse liver tissue, mouse testis tissue, rat liver tissue

IHC : rat testis tissue,

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Ronglin Wang	35433474	Front Oncol	WB

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

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

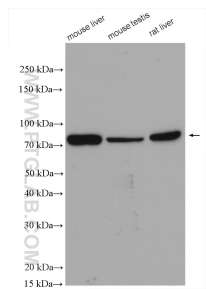
T: 4006900926

E: Proteintech-CN@ptglab.com

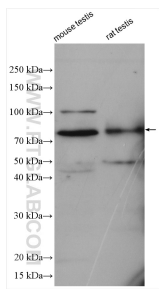
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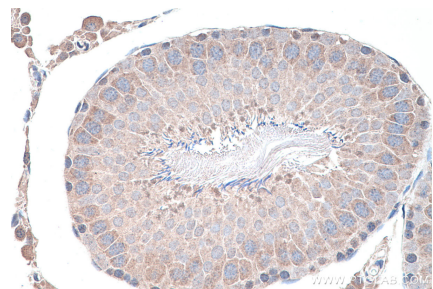
Selected Validation Data



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.



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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).