

For Research Use Only

NSUN7 Recombinant antibody

Catalog Number: 84795-1-RR



Basic Information

Catalog Number:

84795-1-RR

Size:

1000 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:

81~90 kDa

Purification Method:

Protein A purification

CloneNo.:

242358B7

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, rat

Positive Controls:

WB : A549 cells,

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

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

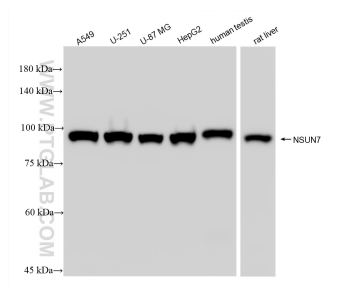
T: 4006900926

E: Proteintech-CN@ptglab.com

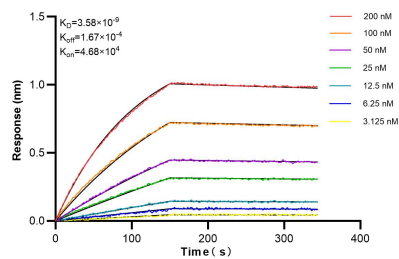
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84795-1-RR (NSUN7 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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