For Research Use Only

NSUN4 Polyclonal antibody, PBS Only

Catalog Number:29786-1-PBS

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Basic Information

Catalog Number:
29786-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG31821

GenBank Accession Number:
BC014441

GeneID (NCBI):
387338

UNIPROT ID:
Q96CB9

Full Name:
NOL1/NOP2/Sun domain family, member 4

Calculated MW:
384 aa, 43 kDa

Observed MW:
40 kDa

Purification Method:
Antigen affinity purification

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human

Background Information

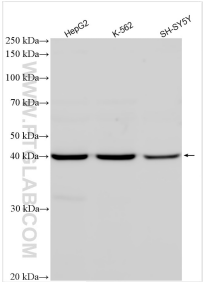
NSUN4 belongs to a family of RNA 5-methylcytosine (m5C) methyltransferases (MTases). MTERF4 recruits NSUN4 to the large ribosomal subunit in a process crucial for mitochondrial ribosome biogenesis. NSUN4 is a dual function protein, which on the one hand is needed for 12S rRNA methylation, and on the other hand interacts with MTERF4 to facilitate mitoribosomal assembly. The calculated MW of NSUN4 is 43 kDa, 29786-1-AP can detect the band around 40 kDa.(PMID:22949673, 24516400)

Storage

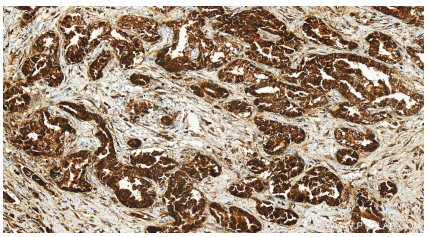
Storage:
Store at -80°C.
Storage Buffer:
PBS Only

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)
E: proteintech@ptglab.com
W: ptglab.com

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29786-1-AP (NSUN4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 29786-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 29786-1-AP (NSUN4 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29786-1-PBS in a different storage buffer formulation.