

For Research Use Only

NSUN4 Polyclonal antibody

Catalog Number: 29786-1-AP



Basic Information

Catalog Number: 29786-1-AP	GenBank Accession Number: BC014441	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 ug/ml by Nanodrop;	GeneID (NCBI): 387338	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q96CB9	
Isotype: IgG	Full Name: NOL1/NOP2/Sun domain family, member 4	
Immunogen Catalog Number: AG31821	Calculated MW: 384 aa, 43 kDa	
	Observed MW: 40 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human	WB : HepG2 cells, K-562 cells, SH-SY5Y cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human intrahepatic cholangiocarcinoma tissue,

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

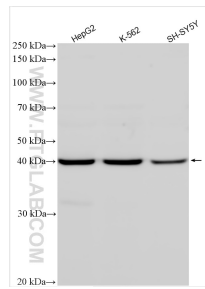
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

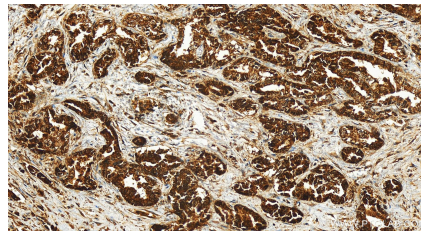
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.



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).