

For Research Use Only

# NSUN4 Polyclonal antibody

Catalog Number:29786-1-AP



## Basic Information

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

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : HepG2 cells, K-562 cells, SH-SY5Y cells
<b>Species Specificity:</b> human	<b>IHC :</b> human intrahepatic cholangiocarcinoma tissue,

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

## 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

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

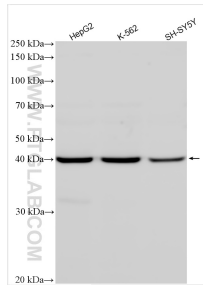
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E: Proteintech-CN@ptglab.com

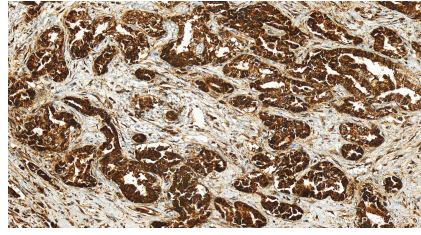
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## Selected Validation Data



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).