

For Research Use Only

# NSUN6 Polyclonal antibody

Catalog Number: 17240-1-AP

Featured Product

6 Publications



## Basic Information

<b>Catalog Number:</b> 17240-1-AP	<b>GenBank Accession Number:</b> BC035778	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 850 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 221078	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:500-1:2000
<b>Source:</b> Rabbit	<b>Full Name:</b> NOL1/NOP2/Sun domain family, member 6	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 469 aa, 52 kDa	
<b>Immunogen Catalog Number:</b> AG11084	<b>Observed MW:</b> 52-55 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, IHC, RIP, WB	<b>WB :</b> Neuro-2a cells, HEK-293 cells, HepG2 cells, mouse brain
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> human colon cancer tissue,
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

NSUN6 is an RNA methyltransferase that catalyzes the methylation at position cytosine C72 in some tRNAs. NSUN6 has been reported to localize to the cytoplasm and largely colocalize with Golgi apparatus and pericentriolar matrix, indicating that NSUN6 modifies tRNAs in a late step in their biogenesis. NSUN6 may also play a major role in bone metastasis and could be a valuable therapeutic target for bone metastasis.

## Notable Publications

Author	Pubmed ID	Journal	Application
Tao Huang	31061524	Nat Struct Mol Biol	WB
Nikoletta A Gkatza	31199786	PLoS Biol	WB
Tommaso Selmi	33330931	Nucleic Acids Res	WB

## Storage

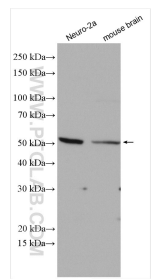
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

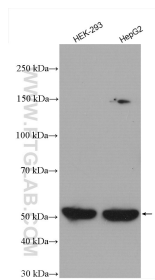
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

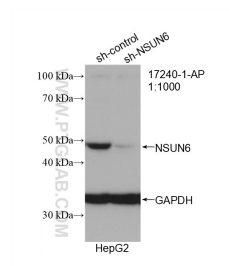
Selected Validation Data



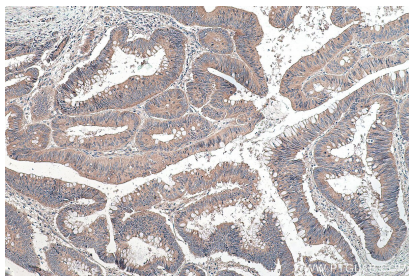
Various lysates were subjected to SDS PAGE followed by western blot with 17240-1-AP (NSUN6 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



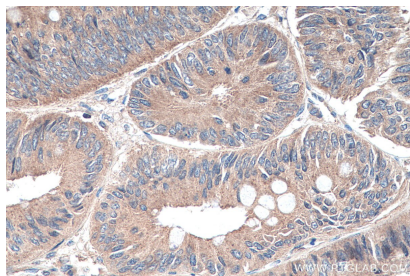
Various lysates were subjected to SDS PAGE followed by western blot with 17240-1-AP (NSUN6 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



WB result of NSUN6 antibody (17240-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NSUN6 transfected HepG2 cells.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 17240-1-AP (NSUN6 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 17240-1-AP (NSUN6 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).