

For Research Use Only

# NSUN2 Recombinant antibody

Catalog Number: 82894-7-RR



## Basic Information

<b>Catalog Number:</b> 82894-7-RR	<b>GenBank Accession Number:</b> BC001041	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 54888	<b>CloneNo.:</b> 230186H8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q08J23	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF 1:125-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> NOL1/NOP2/Sun domain family, member 2	
<b>Immunogen Catalog Number:</b> AG14791	<b>Calculated MW:</b> 767 aa, 86 kDa	
	<b>Observed MW:</b> 90-100 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human	<b>WB :</b> HeLa cells, HepG2 cells, HT-1080 cells, COLO 320 cells, HEK-293 cells <b>IF :</b> HepG2 cells,

## Background Information

NSUN2, also known as SAK1 or Misu (Myc-induced SUN-domain-containing protein), is a methyltransferase which catalyses (cytosine-5-)-methylation of tRNA. NSUN2 is direct target gene of c-Myc and may act downstream of Myc to regulate epidermal cell growth and proliferation. NSUN2 is overexpressed in various cancer tissues and may be a valuable target for cancer therapy and a cancer diagnostic marker. Recently a splicing mutation in NSUN2 has been identified as the cause of a Dubowitz-like syndrome, an autosomal recessive disorder.

## 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:

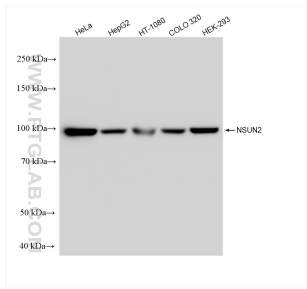
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

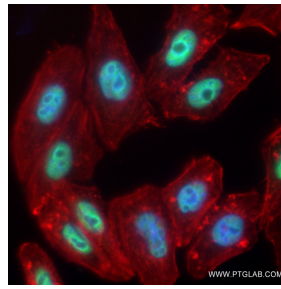
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82894-7-RR (NSUN2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using NSUN2 antibody (82894-7-RR, Clone: 230186H8) at dilution of 1:250 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). CL594-Phalloidin (red).