

For Research Use Only

# NSUN2 Recombinant antibody, PBS Only

Catalog Number: 82894-7-PBS



## Basic Information

Catalog Number: 82894-7-PBS	GenBank Accession Number: BC001041	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 54888	CloneNo.: 230186H8
Source: Rabbit	UNIPROT ID: Q08J23	
Isotype: IgG	Full Name: NOL1/NOP2/Sun domain family, member 2	
Immunogen Catalog Number: AG14791	Calculated MW: 767 aa, 86 kDa	
	Observed MW: 90-100 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, FC (Intra), Indirect ELISA

**Species Specificity:**  
human

## Background Information

NSUN2, also known as SAKI 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 -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

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

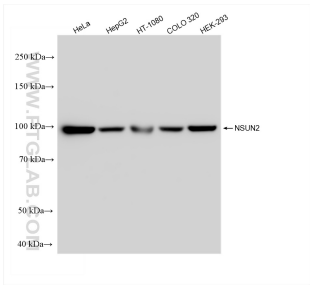
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

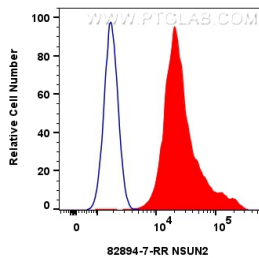
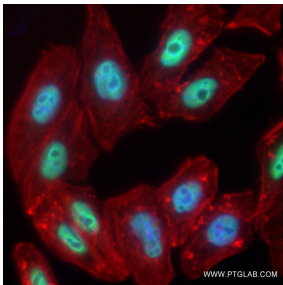
Selected Validation Data



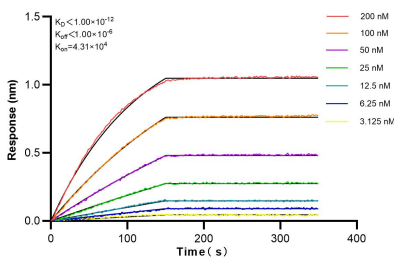
Various lysates were subjected to SDS PAGE followed by western blot with 82894-7-RR (NSUN2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82894-7-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded stomach cancer slide using 82894-7-RR (NSUN2 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82894-7-PBS in a different storage buffer formulation.



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.25 ug NSUN2 Recombinant antibody (82894-7-RR, Clone:230186H8) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 82894-7-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82894-7-RR against Human NSUN2 were performed. The affinity constant is below 1 pM.