

For Research Use Only

NSUN2 Recombinant antibody, PBS Only



Catalog Number: 82894-2-PBS

Basic Information

Catalog Number: 82894-2-PBS	GenBank Accession Number: BC001041	Purification Method: Protein A purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 54888	CloneNo.: 230186G2
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, IF/ICC, 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.

Storage Buffer:
PBS Only

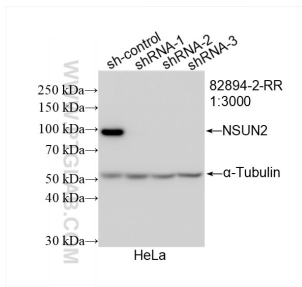
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

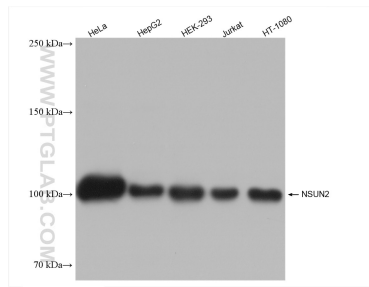
E: proteintech@ptglab.com
W: ptglab.com

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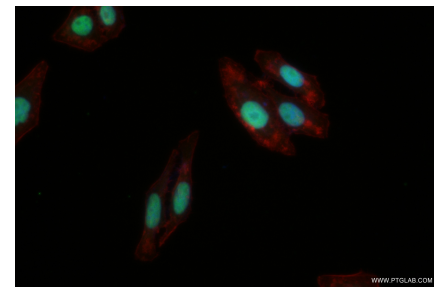
Selected Validation Data



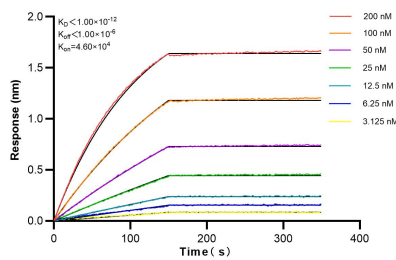
WB result of NSUN2 antibody (82894-2-RR; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NSUN2 transfected HeLa cells. This data was developed using the same antibody clone with 82894-2-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 82894-2-RR (NSUN2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82894-2-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using NSUN2 antibody (82894-2-RR, Clone: 230186G2) at dilution of 1:300 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 82894-2-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82894-2-RR against Human NSUN2 were performed. The affinity constant is below 1 pM.