

For Research Use Only

NSUN2 Recombinant antibody

Catalog Number: 82894-1-RR



Basic Information

Catalog Number: 82894-1-RR	GenBank Accession Number: BC001041	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 54888	CloneNo.: 230186A6
Source: Rabbit	UNIPROT ID: Q08J23	Recommended Dilutions: IF/ICC 1:250-1:1000
Isotype: IgG	Full Name: NOL1/NOP2/Sun domain family, member 2	
Immunogen Catalog Number: AG14791	Calculated MW: 767 aa, 86 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra), ELISA	Positive Controls: IF/ICC : HepG2 cells,
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

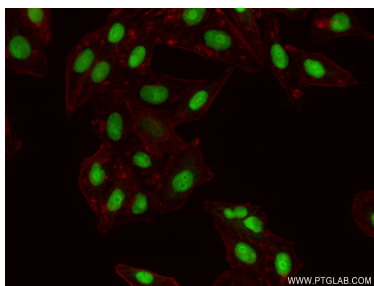
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

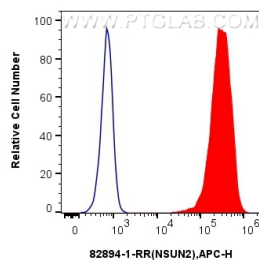
For technical support and original validation data for this product please contact:
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E: proteintech@ptglab.com
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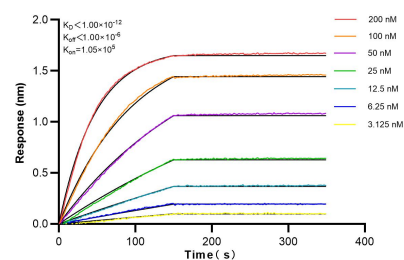
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using NSUN2 antibody (82894-1-RR, Clone: 230186A6) at dilution of 1:500 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1×10^6 HeLa cells were intracellularly stained with 0.25 μ g Anti-Human NSUN2 (82894-1-RR, Clone: 230186A6) and APC-Conjugated Goat Anti-Rabbit IgG(H+L) at dilution 1:166 (red), or 0.25 μ g Rabbit IgG control Rabbit PolyAb (30000-O-AP, Clone:) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



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