

For Research Use Only

NSUN2 Recombinant antibody

Catalog Number: 82894-2-RR

Featured Product



Basic Information

Catalog Number:

82894-2-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14791

GenBank Accession Number:

BC001041

GeneID (NCBI):

54888

UNIPROT ID:

Q08J23

Full Name:

NOL1/NOP2/Sun domain family,
member 2

Calculated MW:

767 aa, 86 kDa

Observed MW:

90-100 kDa

Purification Method:

Protein A purification

CloneNo.:

230186G2

Recommended Dilutions:

WB 1:2000-1:10000

IF/ICC 1:150-1:600

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, HepG2 cells, HEK-293 cells, Jurkat
cells, HT-1080 cells

IF/ICC : HepG2 cells, HeLa cells

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

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

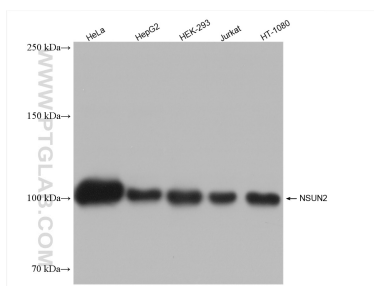
T: 4006900926

E: Proteintech-CN@ptglab.com

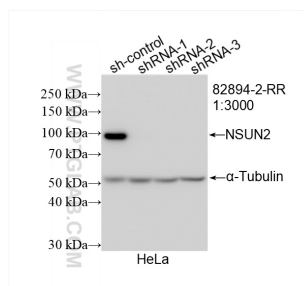
W: ptgcn.com

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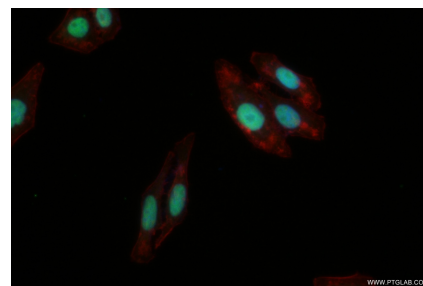
Selected Validation Data



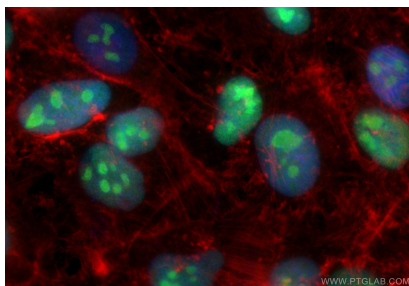
Various lysates were subjected to SDS PAGE followed by western blot with 82894-2-RR (NSUN2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



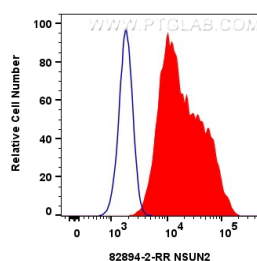
WB result of NSUN2 antibody (82894-2-RR; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NSUN2 transfected HeLa cells.



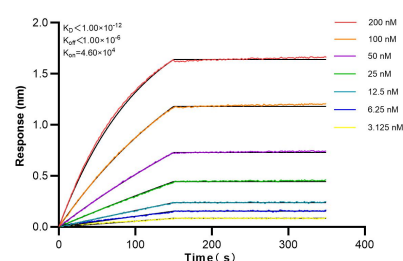
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using NSUN2 antibody (82894-2-RR, Clone: 230186G2) at dilution of 1:300 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using NSUN2 antibody (82894-2-RR, Clone: 230186G2) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).



1x10⁶ HeLa cells were intracellularly stained with 0.25 μ g NSUN2 Recombinant antibody (82894-2-RR, Clone:230186G2) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 μ g Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



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