

NSUN2 Recombinant antibody, PBS Only

Catalog Number: 82894-2-PBS

Basic Information

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|--------------------------------------|--|--|
| Catalog Number: 82894-2-PBS | GenBank Accession Number: BC001041 | Purification Method: Protein A purification |
| Size: 1mg/ml | 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

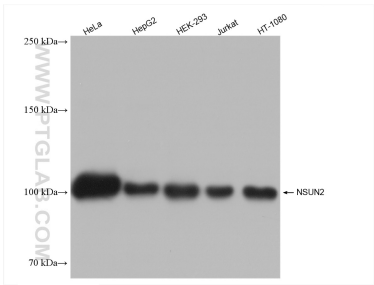
NSUN2, also known as SAKI or Misu (Myc-induced SUN-domain-containing protein), is a methyltransferase which catalyses (cytosine-5-)-methylation of tRNA. NSUN2 is direct target gene of c-Myc and may act downstream of Myc to regulate epidermal cell growth and proliferation. NSUN2 is overexpressed in various 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

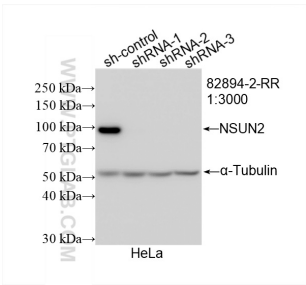
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

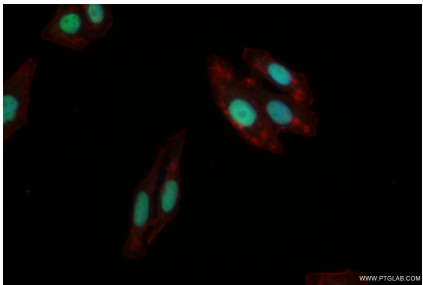
Selected Validation Data



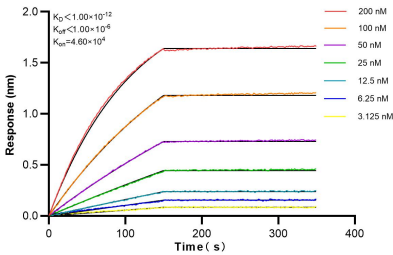
Various lysates were subjected to SDS PAGE followed by western blot with 82894-2-RR (NSUN2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82894-2-PBS in a different storage buffer formulation.



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.



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.