

NSUN2 Recombinant antibody

Catalog Number: 82894-3-RR

Basic Information

Catalog Number:

82894-3-RR

Size:

1000 µg/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

Purification Method:

Protein A purification

CloneNo.:

230186B7

Recommended Dilutions:

IF/ICC 1:150-1:600

Applications

Tested Applications:

ELISA, IF/ICC

Species Specificity:

Human

Positive Controls:

IF/ICC : HepG2 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:

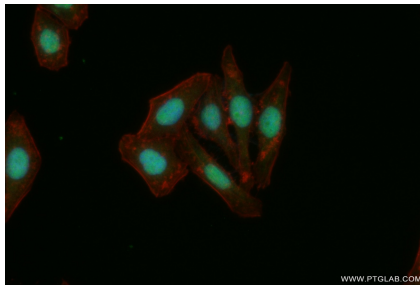
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

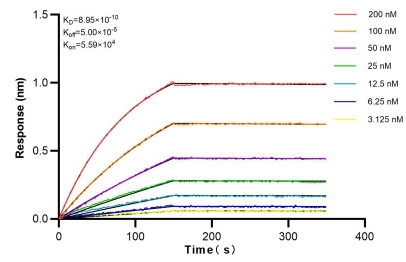
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using NSUN2 antibody (82894-3-RR, Clone: 230186B7) at dilution of 1:300 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Biolayer interferometry (BLI) kinetic assays of 82894-3-RR against Human NSUN2 were performed. The affinity constant is 0.895 nM.