

For Research Use Only

CoraLite® Plus 488-conjugated NSUN2 Recombinant antibody

Catalog Number: CL488-82894-7



Basic Information

Catalog Number:

CL488-82894-7

Concentration:

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.:

230186H8

Recommended Dilutions:

IF/ICC: 1:50-1:500

FC (Intra): 0.40 ug per 10⁶ cells in a
100 µl suspension

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human

Positive Controls:

IF/ICC : HepG2 cells,

FC (Intra) : 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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

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

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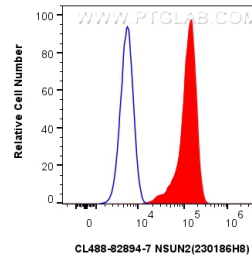
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 NSUN2 antibody (CL488-82894-7, Clone: 230186H8) at dilution of 1:200.



1x10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488-conjugated NSUN2 Recombinant antibody (CL488-82894-7, Clone:230186H8)(red), or 0.4 ug CoraLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).