

For Research Use Only

# CoraLite® Plus 488-conjugated NSUN2 Polyclonal antibody

Catalog Number: CL488-20854

Featured Product



## Basic Information

Catalog Number:

CL488-20854

Size:

100ul, Concentration: 1000 ug/ml by Nanodrop;

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:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human

Positive Controls:

IF/ICC : HepG2 cells, A549 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

Aliquoting is unnecessary for -20°C storage

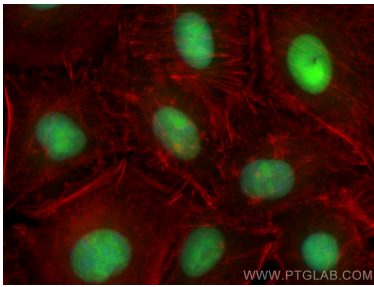
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

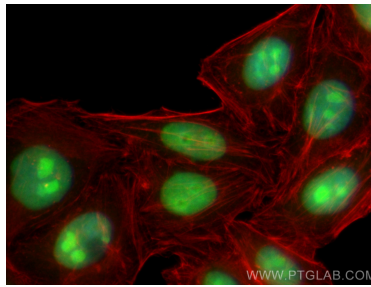
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

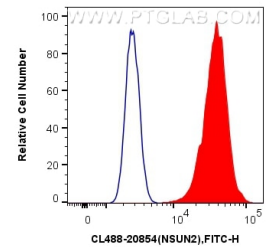
## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A549 cells using CoraLite® Plus 488 NSUN2 antibody (CL488-20854) at dilution of 1:200, CL594-phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 NSUN2 antibody (CL488-20854) at dilution of 1:200, CL594-phalloidin (red).



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human NSUN2 (CL488-20854) (red), or 0.4 ug CoraLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000, Clone: ) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.