

For Research Use Only

# CoraLite® Plus 488-conjugated NOP58 Recombinant antibody

Catalog Number:CL488-82879



## Basic Information

<b>Catalog Number:</b> CL488-82879	<b>GenBank Accession Number:</b> BC032592	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 51602	<b>CloneNo.:</b> 230058C7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y2X3	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> NOP58 ribonucleoprotein homolog (yeast)	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG5740	<b>Calculated MW:</b> 60 kDa	
	<b>Observed MW:</b> 60 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, FC (Intra)	<b>Positive Controls:</b> IF/ICC : U2OS cells,
<b>Species Specificity:</b> human	

## Background Information

The box C/D snoRNPs are named for the short, conserved box C (UGAUGA) and box D (CUGA) sequences present in their RNA moiety. The box C/D sequences are also required for multiple aspects of snoRNA biogenesis, including RNA stability, intronic processing, nucleolar targeting, nuclear retention, and 59 trimethylguanosine cap formation (PMID:9649444,8878486). Nop58 is a component common to the box C/D small nucleolar ribonucleoprotein (PMID:10606270).

## 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, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

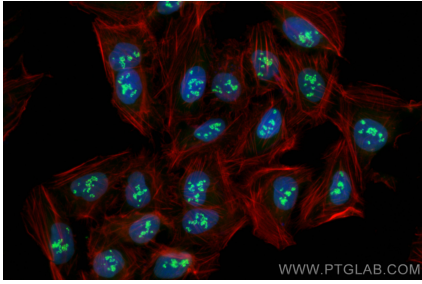
For technical support and original validation data for this product please contact:

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

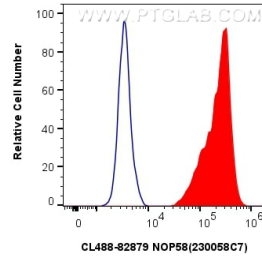
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using CoraLite® Plus 488 NOP58 antibody (CL488-82879, Clone: 230058C7) at dilution of 1:200.



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.4  $\mu$ g CoraLite® Plus 488-conjugated NOP58 Recombinant antibody (CL488-82879, Clone:230058C7)(red), or 0.4  $\mu$ g CoraLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).