

For Research Use Only

# NOP2 Monoclonal antibody

Catalog Number: 68889-1-Ig



## Basic Information

Catalog Number:

68889-1-Ig

Concentration:

500 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG33985

GenBank Accession Number:

BC000656

GeneID (NCBI):

4839

UNIPROT ID:

P46087

Full Name:

NOP2 nucleolar protein homolog (yeast)

Calculated MW:

120 kDa

Observed MW:

100-120 kDa

Purification Method:

Protein G purification

CloneNo.:

1F4F4

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:280-1:1122

## Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : LNCaP cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, Daudi cells

IF/ICC : HeLa cells,

## Background Information

NOL1, (synonyms: p120, NSUN1, NOP120), is a 120 kDa proliferating-cell nucleolar antigen and is the most cancer specific of the proliferation-associated nucleolar proteins identified thus far. NOL1 is expressed in G1 and peaks during the early S phase of the cell cycle and it has not been detected in benign tumors and most normal resting tissues. Overexpression of NOL1 caused the transformation of NIH 3T3 cells and expression of an antisense NOL1 construct inhibited the growth of NIH 3T3 cells. NOL is localized in a novel nucleolar microfibrillar structure, and contains, consecutively, four major domains: a basic domain, an acidic domain, a hydrophobic and methionine-rich domain, and a domain rich in cysteine and proline residues. The gene for human NOL1 was assigned to chromosome 12p13 (PMID: 23775790).

## 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

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

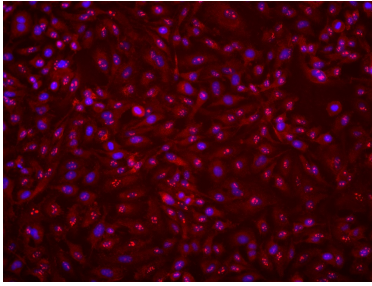
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

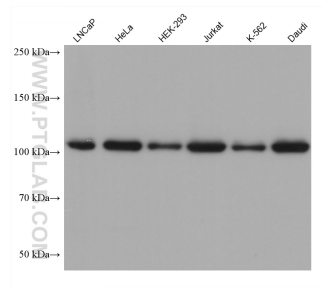
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using NOP2 antibody (68889-1-Ig, Clone: 1F4F4) at dilution of 1:561 and Multi-rAb CoraLite® Plus 647-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM005).



Various lysates were subjected to SDS PAGE followed by western blot with 68889-1-Ig (NOP2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.