

For Research Use Only

NOP2 Monoclonal antibody

Catalog Number: 68889-1-Ig



Basic Information

Catalog Number: 68889-1-Ig	GenBank Accession Number: BC000656	Purification Method: Protein G purification
Size: 150ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 4839	CloneNo.: 1F4F4
Source: Mouse	UNIPROT ID: P46087	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:280-1:1122
Isotype: IgG1	Full Name: NOP2 nucleolar protein homolog (yeast)	
Immunogen Catalog Number: AG33985	Calculated MW: 120 kDa	
	Observed MW: 100-120 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	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

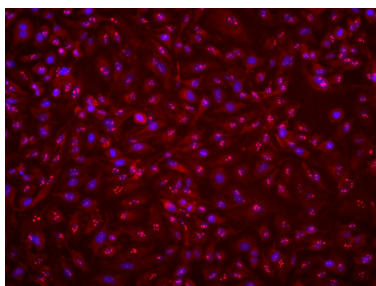
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

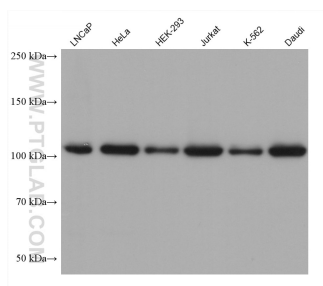
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



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.