

NOP2 Polyclonal Antibody

Catalog number: 10448-1-AP

Size: 20 µg/150 µl

Source: Rabbit

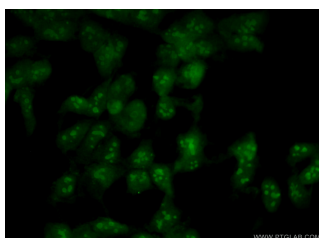
Isotype: IgG

Synonyms:

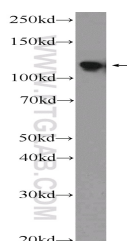
NOP2; NOL1, NOP120, NOP2, NSUN1, Nucleolar protein 1, Nucleolar protein 2 homolog, p120



Immunohistochemical of paraffin-embedded human lymphoma using 10448-1-AP(NOP2 antibody) at dilution of 1:50 (under 10x lens)



Immunofluorescent analysis of (10% Formaldehyde) fixed HEK-293 cells using 10448-1-AP(NOP2 Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



A2780 cells were subjected to SDS PAGE followed by western blot with 10448-1-AP(NOP2 Antibody) at dilution of 1:2000

Background

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.

Applications

Tested applications:	ELISA, IHC, WB, IF
Cited applications:	IF, WB
Species specificity:	Human, Rat; other species not tested.
Cited species:	Human
Calculated NOP2 MW:	120 kDa
Observed NOP2 MW:	100-120 kDa
Positive WB detected in	A2780 cells, C6 cells, HeLa cells
Positive IHC detected in	Human lymphoma tissue
Positive IF detected in	HEK-293 cells
Recommended dilution:	WB: 1:1000-1:10000 IHC: 1:20-1:200 IF: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag0498
GenBank accession number:	BC000656
Gene ID (NCBI):	4839
Full name:	NOP2 nucleolar protein homolog (yeast)

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.