

NOLC1 Polyclonal Antibody

Catalog number: 11815-1-AP

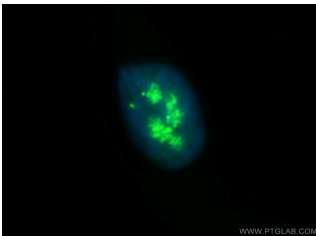
Size: 20 µg/150 µl

Source: Rabbit

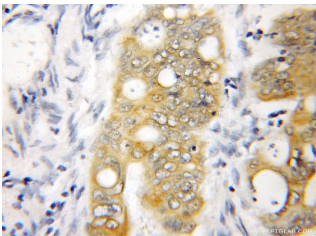
Isotype: IgG

Synonyms:

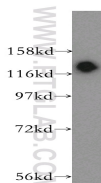
NOLC1; KIAA0035, NOLC1,
NOPP130, NOPP140,
NS5ATP13, Nucleolar 130 kDa
protein, Nucleolar
phosphoprotein p130



Immunofluorescent analysis of HepG2 cells, using NOLC1 antibody 11815-1-AP at 1:50 dilution and FITC-labeled donkey anti-rabbit IgG (green). Blue pseudocolor = DAPI (fluorescent DNA dye).



Immunohistochemical of paraffin-embedded human colon cancer using 11815-1-AP (P130 antibody) at dilution of 1:50 (under 10x lens)



HeLa cells were subjected to SDS PAGE followed by western blot with 11815-1-AP (P130 antibody) at dilution of 1:500

Background

Nucleolar and coiled-body phosphoprotein 1 (NOLC1) is a phosphoprotein that transiently associates with the mature nucleolar H/ACA and C/D box small nucleolar ribonucleoproteins (snoRNPs), guiding site-specific 2'-O-methylation and pseudouridylation of pre-rRNAs [PMID:21266110]. It contains a nuclear localization signal binding sequence and is thought to shuttle between the nucleolus and the cytoplasm. NOLC1 plays an essential role in the synthesis of rRNA and the biosynthesis of ribosomes [PMID:8972203].

Applications

| | |
|--------------------------|--|
| Tested applications: | ELISA, WB, IHC, IF, IP |
| Species specificity: | Human, Mouse, Rat; other species not tested. |
| Calculated NOLC1 MW: | 130 kDa |
| Observed NOLC1 MW: | 130kd |
| Positive WB detected in | HeLa cells, HEK-293 cells, Jurkat cells |
| Positive IP detected in | HeLa cells |
| Positive IHC detected in | Human colon cancer tissue |
| Positive IF detected in | HepG2 cells |
| Recommended dilution: | WB: 1:200-1:2000 |
| | IP: 1:200-1:2000 |
| | IHC: 1:20-1:200 |
| | IF: 1:20-1:200 |

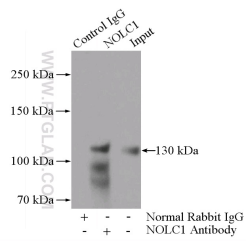
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

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|---------------------------|--|
| Immunogen: | Ag2382 |
| GenBank accession number: | BC006769 |
| Gene ID (NCBI): | 9221 |
| Full name: | Nucleolar and coiled-body phosphoprotein 1 |

Product information

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



IP Result of anti-P130
(IP:11815-1-AP, 4ug;
Detection:11815-1-AP 1:500)
with HeLa cells lysate 2000ug.