For Research Use Only

NOLC1 Polyclonal antibody

Catalog Number:11815-1-AP Featured Product 8 Publications

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Basic Information

Catalog Number:
11815-1-AP

Size:
150ul , Concentration: 600 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG2382

GenBank Accession Number:
BC006769

GeneID (NCBI):
9221

Full Name:
nucleolar and coiled-body phosphoprotein 1

Calculated MW:
130 kDa

Observed MW:
130 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:50-1:500
IF 1:50-1:500

Applications

Tested Applications:
IF, IHC, IP, WB, ELISA

Cited Applications:
IF, IHC, IP, WB

Species Specificity:
human

Cited Species:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : Jurkat cells, HEK-293 cells

IP : HeLa cells,

IHC : human colon cancer tissue,

IF : HepG2 cells,

Background Information

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-meth-ylation 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].

Notable Publications

Author	Pubmed ID	Journal	Application
Achim Werner	26399832	Nature	WB
Chandreyee Datta	36306353	Sci Adv	WB
Matthew T N Yarnall	36424489	Nat Biotechnol	IF

Storage

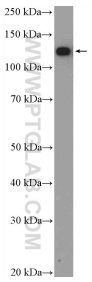
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

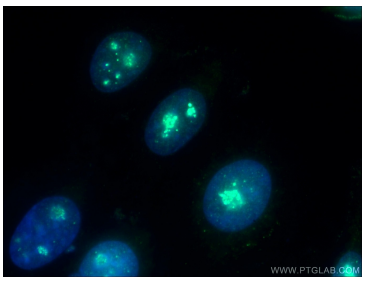
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

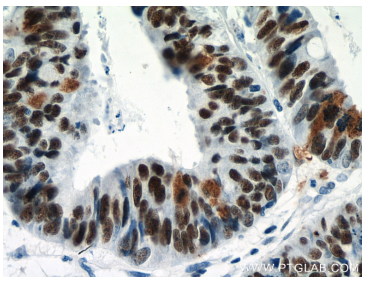
Selected Validation Data



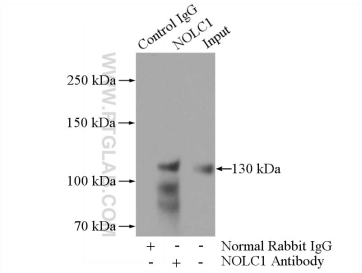
Jurkat cells were subjected to SDS PAGE followed by western blot with 11815-1-AP (NOLC1 antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 11815-1-AP (NOLC1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11815-1-AP (NOLC1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-NOLC1 (IP:11815-1-AP, 4ug; Detection:11815-1-AP 1:500) with HeLa cells lysate 2000ug.