

For Research Use Only

Nucleolin/C23 Polyclonal antibody, PBS Only



Catalog Number: 10556-1-PBS

Featured Product

Basic Information

Catalog Number:

10556-1-PBS

Concentration:

1mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0859

GenBank Accession Number:

BC006494

GeneID (NCBI):

4691

UNIPROT ID:

P19338

Full Name:

nucleolin

Calculated MW:

76 kDa

Observed MW:

100-110 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Species Specificity:

human, mouse, rat

Background Information

Nucleolin, also known as C23, involved in the control of transcription of ribosomal RNA (rRNA) genes by RNA polymerase I, in nucleocytoplasmic transportation of ribosomal components, and in ribosome maturation and assembly. It associated with intranucleolar chromatin and pre-ribosomal particles, and induced chromatin decondensation by binding to histone H1. Also it has a role in the process of transcriptional elongation. Whilst mammalian nucleolin has a predicted molecular mass of approximately 77 kDa, the apparent molecular mass is between 100 and 110 kDa, and has been attributed to the amino acid composition of the N-terminal domain, which is highly phosphorylated. (PMID: 15925566)

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

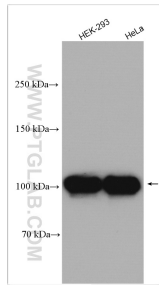
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

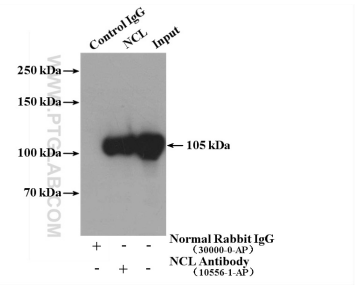
Selected Validation Data



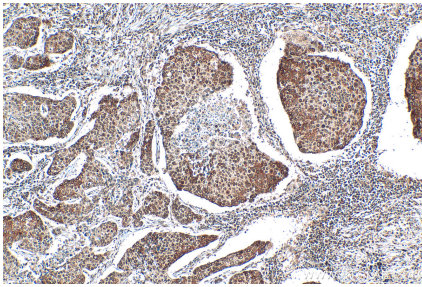
Various lysates were subjected to SDS PAGE followed by western blot with 10556-1-AP (Nucleolin/C23 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 10556-1-PBS in a different storage buffer formulation.



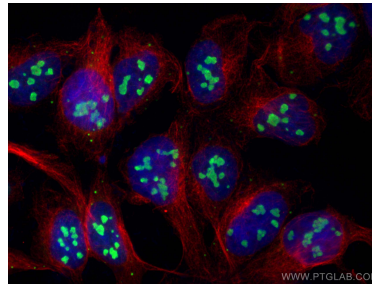
Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using NCL antibody (10556-1-AP) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



IP result of anti-Nucleolin/C23 (IP:10556-1-AP, 4ug; Detection:10556-1-AP 1:1000) with HeLa cells lysate 3200ug. This data was developed using the same antibody clone with 10556-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10556-1-AP (Nucleolin/C23 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 10556-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using NCL antibody (10556-1-AP) at dilution of 1:1500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), Alpha Tubulin antibody (66031-1-Ig, Clone: 1E4C11, red). This data was developed using the same antibody clone with 10556-1-PBS in a different storage buffer formulation.