

Nucleolin (NCL) Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_005372.2

Catalog No. A300-710A

GeneID 4691

Lot No. A300-710A-1



| | |
|------------------------------|---|
| APPLICATIONS | WB, IP, IHC |
| SPECIES REACTIVITY | Human |
| PRESUMED REACTIVITY | Based on 100% sequence identity, this antibody is predicted to react with Rat, Golden hamster and Orangutan |
| AMOUNT | 100 µl |
| CONCENTRATION | 200 µg/ml |
| STORAGE/SHELF LIFE | 2 - 8° C / 1 year from date of receipt |
| PHYSICAL STATE | Liquid |
| BUFFER | Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide |
| ISOTYPE | IgG |
| ORIGIN | USA |
| PRODUCTION PROCEDURES | Antibody was affinity purified using an epitope specific to Nucleolin (NCL) immobilized on solid support. |

The epitope recognized by A300-710A maps to a region between residue 525 and 575 of human Nucleolin using the numbering given in entry NP_005372.2 (GeneID 4691).

Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.

APPLICATIONS Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot 1:2,000 - 1:10,000

Immunoprecipitation 2 - 5 µg/mg lysate

Immunohistochemistry 1:100 - 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

APPLICATION NOTES Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).

IHC HUMAN CONTROLS Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE. Breast Carcinoma, Colon Carcinoma, Ovarian Carcinoma, Prostate Carcinoma, Stomach Adenocarcinoma, Testicular Seminoma

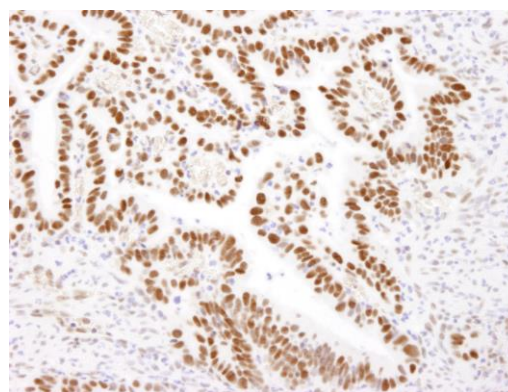
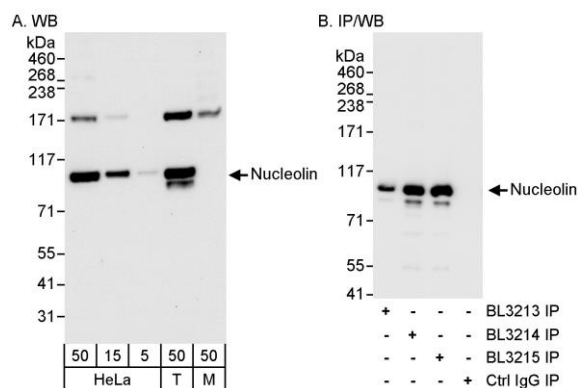
ADDITIONAL INFO <https://www.bethyl.com/product/A300-710A>

Use the link above to view SDS, a current list of citations, and other product specific information.

IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Eric McIntush, PhD | Chief Scientific Officer

Date: June 21, 2019



Detection of human Nucleolin by western blot and immunoprecipitation. *Samples:* Whole cell lysate from HeLa (5, 15 and 50 μ g for WB; 1 mg for IP, 20% of IP loaded), HEK293T (T; 50 μ g), and mouse NIH 3T3 (M; 50 μ g) cells. *Antibodies:* Affinity purified rabbit anti-Nucleolin antibody BL3214 (Cat. No. A300-710A) used for WB at 0.02 μ g/ml (A) and 1 μ g/ml (B) and used for IP at 3 μ g/mg lysate (B). Nucleolin was also immunoprecipitated using rabbit anti-Nucleolin antibodies BL3213 (Cat. No. A300-709A) and BL3215 (Cat. No. A300-711A). *Detection:* Chemiluminescence with exposure times of 30 seconds (A) and 3 seconds (B).

Detection of human Nucleolin by immunohistochemistry. *Sample:* FFPE section of human stomach carcinoma. *Antibody:* Affinity purified rabbit anti-Nucleolin (Cat. No. A300-710A Lot1) used at a dilution of 1:200 (1 μ g/ml). *Detection:* DAB