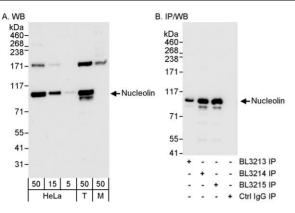
## Nucleolin (NCL) Antibody

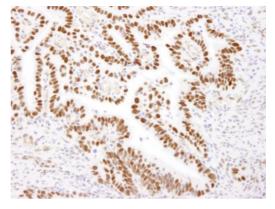
Rabbit Polyclo	nal	-			Contraction of the second seco
Antigen Affinity Purified		d Pro	tein ID	NP_005372.2	
Catalog No. A300-710A			nelD	4691	
Lot No.	A300-7	710A-1			BEINYL Laboratories, inc
APPLICATIONS		WB, IP, IHC			
SPECIES REACTIVITY		Human			
		Based on 100% sequence identity, this antibody is 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.			
		Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.			
APPLICATIONS					
APPLICATIONS			e investig		
APPLICATIONS		experimentally by th	e investig 1:2	gator. Prepare working dilution immed	
APPLICATIONS		experimentally by th Western Blot Immunoprecipitatio	e investig 1:2 n 2 – stry 1:1	gator. Prepare working dilution immed ,000 – 1:10,000	iately before use.
APPLICATIONS	OTES	experimentally by th Western Blot Immunoprecipitatio Immunohistochemi Western blot of imm Goat anti-Rabbit Lig	n 2 - stry 1:1 rec unopreci ht Chain	gator. Prepare working dilution immed ,000 – 1:10,000 5 µg/mg lysate 00 – 1:500. Epitope retrieval with citra	iately before use. te buffer pH 6.0 is rum (Cat. No. S100–020),
		experimentally by the Western Blot Immunoprecipitation Immunohistochemi Western blot of imm Goat anti-Rabbit Lig (link to IP-western blot Western blot of lysat	n 2 - stry 1:1 rec unopreci ht Chain lot proto- ces perfor olon Carc	gator. Prepare working dilution immed ,000 – 1:10,000 5 μg/mg lysate 00 – 1:500. Epitope retrieval with citra ommended for FFPE tissue sections. pitates performed using Normal Pig Se HRP Conjugate (Cat. No. A120–113P) a col in Additional Info section below). rmed using standard western blot reag- cinoma, Ovarian Carcinoma, Prostate Ca	iately before use. Ite buffer pH 6.0 is rum (Cat. No. S100-020), and 4-8% SDS-PAGE ents and 4-8% SDS-PAGE.
APPLICATION N	NTROLS	experimentally by the Western Blot Immunoprecipitation Immunohistochemi Western blot of imm Goat anti-Rabbit Lig (link to IP-western blot Western blot of lysan Breast Carcinoma, C	n 2 - stry 1:1 rec unopreci ht Chain lot proto ces perfor olon Carc sticular S	gator. Prepare working dilution immed ,000 – 1:10,000 5 μg/mg lysate 00 – 1:500. Epitope retrieval with citra ommended for FFPE tissue sections. pitates performed using Normal Pig Se HRP Conjugate (Cat. No. A120–113P) a col in Additional Info section below). rmed using standard western blot reag- cinoma, Ovarian Carcinoma, Prostate Ca- eminoma	iately before use. Ite buffer pH 6.0 is rum (Cat. No. S100-020), and 4-8% SDS-PAGE ents and 4-8% SDS-PAGE.
APPLICATION N	NTROLS	experimentally by the Western Blot Immunoprecipitation Immunohistochemin Western blot of imm Goat anti-Rabbit Lig (link to IP-western blot Western blot of lysan Breast Carcinoma, Ca Adenocarcinoma, Te https://www.bethyl. Use the link above to	n 2 - stry 1:1 rec unopreci ht Chain lot proto ces perfor olon Carc sticular S com/proto	gator. Prepare working dilution immed ,000 – 1:10,000 5 μg/mg lysate 00 – 1:500. Epitope retrieval with citra ommended for FFPE tissue sections. pitates performed using Normal Pig Se HRP Conjugate (Cat. No. A120–113P) a col in Additional Info section below). rmed using standard western blot reag- cinoma, Ovarian Carcinoma, Prostate Ca- eminoma	iately before use. Ite buffer pH 6.0 is rum (Cat. No. S100-020), and 4-8% SDS-PAGE ents and 4-8% SDS-PAGE. arcinoma, Stomach product specific information.

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

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Detection of human Nucleolin by western blot and immunoprecipitation. *Samples:* Whole cell lysate from HeLa (5, 15 and 50 µg for WB; 1 mg for IP, 20% of IP loaded), HEK293T (T; 50 µg), and mouse NIH 3T3 (M; 50 µg) cells. *Antibodies:* Affinity purified rabbit anti–Nucleolin antibody BL3214 (Cat. No. A300–710A) used for WB at 0.02 µg/ml (A) and 1 µg/ml (B) and used for IP at 3 µg/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 (1µg/ml). *Detection:* DAB