

Product Datasheet

Nucleolin Antibody - Azide and BSA Free **NB100-1920**

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NB100-1920

Nucleolin Antibody - Azide and BSA Free

Product Information

Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Unpurified
Buffer	Whole antisera

Product Description

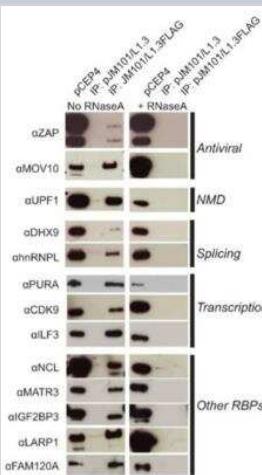
Description	Novus Biologicals Rabbit Nucleolin Antibody - Azide and BSA Free (NB100-1920) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-Nucleolin Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	4691
Gene Symbol	NCL
Species	Human, Rat
Immunogen	A 15 residue peptide designed to the C-terminus of human Nucleolin [UniProt# P19338]

Product Application Details

Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Knockdown Validated
Recommended Dilutions	Western Blot 1:1000 - 1:2000, Immunohistochemistry 1:500-1:1000, Immunocytochemistry/ Immunofluorescence 1:3000-1:10000, Immunoprecipitation 1-3ug, Immunohistochemistry-Paraffin 1:500-1:1000, Knockdown Validated
Application Notes	This Nucleolin antibody is useful in Immunofluorescence/Immunocytochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation and Western Blot.

Images

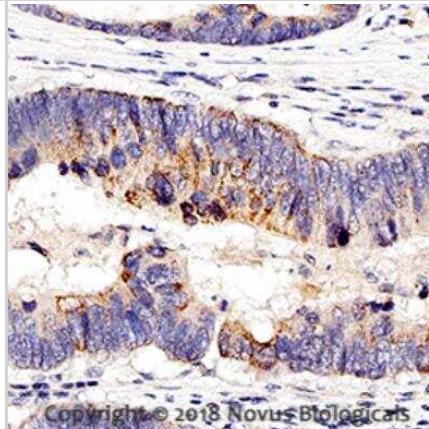
Western Blot: Nucleolin Antibody [NB100-1920] - Validation of putative ORF1p-FLAG interacting proteins: Western blot images of the pJM101/L1.3FLAG and pJM101/L1.3 immunoprecipitation (IP) reactions. The pCEP4 lanes denote whole cell lysates derived from HeLa cells transfected with an empty pCEP4 vector (~ 1.0% input). Nucleolin antibody NB100-1920 (aNCL) used to probe western blot is indicated to the left of the image. Immunoprecipitation reactions were conducted in either the absence (left) or presence (right) of RNaseA (10 ug/mL). The putative cellular functions of the ORF1p-FLAG interacting proteins are indicated on the right hand side of the blots. Image collected and cropped by CiteAb from the following publication (<https://journals.plos.org/plosgenetics/article?id=10.1371/journal.pgen.1005121#sec002>) licensed under a CC-BY license.



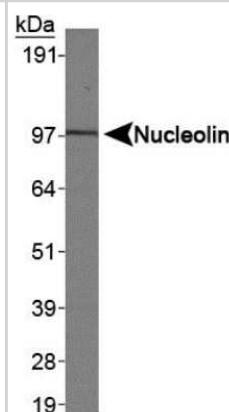
Immunocytochemistry/Immunofluorescence: Nucleolin Antibody [NB100-1920] - Detection of Nucleolin (green) in HeLa cells detected with a Dylight-488 conjugated secondary antibody. Nuclei are counter stained with Hoechst 33258.



Immunohistochemistry-Paraffin: Nucleolin Antibody [NB100-1920] - IHC analysis of a formalin fixed paraffin-embedded (FFPE) human colon cancer using 1:750 conc. of Nucleolin antibody on a Bond Rx autostainer (Leica Biosystems). The assay involved 20 minutes of heat induced antigen retrieval (HIER) using 10mM sodium citrate buffer (pH 6.0) and endogenous peroxidase quenching with peroxide block. The sections were incubated with primary antibody for 30 minutes and Bond Polymer Refine Detection (Leica Biosystems) with DAB was used for signal development followed by counterstaining with hematoxylin. Whole slide scanning and capturing of representative images (20X) was performed using Aperio AT2 (Leica Biosystems). Cytoplasmic staining was observed in normal cells and nuclear staining was observed in cancer cells. Staining was performed by Histowiz.



Western Blot: Nucleolin Antibody [NB100-1920] - Analysis of Nucleolin in HeLa nuclear extracts.



Publications

Moldovan JB, Moran JV. The Zinc-Finger Antiviral Protein ZAP Inhibits LINE and Alu Retrotransposition. PLoS Genet 2015-05-01 [PMID: 25951186] (ICC/IF, WB, Human)

Wu, R et al. Recognition and binding of the human selenocysteine insertion sequence by nucleolin. J Cell Biochem;77 (3):507-16. 2000-04-01 [PMID: 10760958] (WB, Human)



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Products Related to NB100-1920

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP3-21345PEP	Nucleolin Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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