

Product Datasheet

Nucleolin Antibody (NCL/7014R) - Azide and BSA Free NBP3-11038

Unit Size: 100 ug

Store at -20 to -80C. Avoid freeze-thaw cycles.

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NBP3-11038

Nucleolin Antibody (NCL/7014R) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	NCL/7014R
Preservative	No Preservative
Isotype	IgG Kappa
Purity	Protein A or G purified
Buffer	10mM PBS
Target Molecular Weight	76 kDa

Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP3-11037). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
Host	Rabbit
Gene ID	4691
Gene Symbol	NCL
Species	Human, Bovine (Negative), Mouse (Negative), Rat (Negative)
Reactivity Notes	Does not react with Mouse, Feline, Bovine, Canine or Equine.
Marker	Marker of Human Cells
Specificity/Sensitivity	Recognizes a protein of ~76kDa, which is identified as Nucleolin (NCL). It is the major nucleolar phosphoprotein of growing eukaryotic cells. NCL is located mainly in dense fibrillar regions of the nucleolus. It is found associated with intranucleolar chromatin and pre-ribosomal particles. Human NCL gene consists of 14 exons with 13 introns and spans approximately 11kb. It induces chromatin decondensation by binding to histone H1. It is thought to play a role in pre-rRNA transcription and ribosome assembly. This monoclonal antibody can be used to stain the nucleoli in cell or tissue preparations and can be used as a marker of the nucleoli in subcellular fractions. It produces a speckled pattern in the nuclei of cells of normal and malignant cells and may be used to stain the nucleoli of cells in fixed or frozen tissue sections. It can be used with paraformaldehyde fixed frozen tissue or cell preparations and formalin fixed, paraffin-embedded tissue sections.
Immunogen	Recombinant full-length human Nucleolin protein (Uniprot: P19338)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1-2ug/ml, Flow Cytometry 1-2ug/million cells, Immunohistochemistry 1-2ug/ml, Immunocytochemistry/ Immunofluorescence 1-2ug/ml, Immunohistochemistry-Paraffin

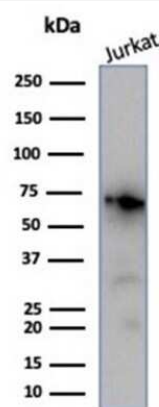


Application Notes

Immunohistochemistry Formalin-fixed: Antibody dilution at 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

Images

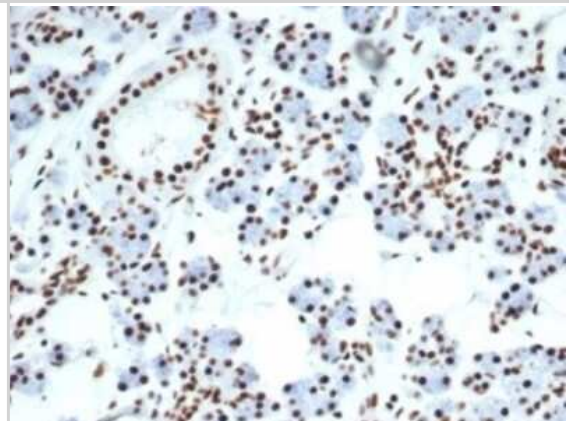
Western Blot: Nucleolin Antibody (NCL/7014R) - Azide and BSA Free [NBP3-11038] - Western blot analysis of Jurkat cell lysate using Nucleolin antibody (NCL/7014R).



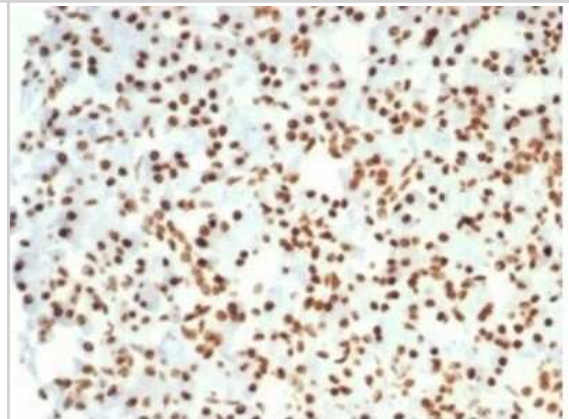
Immunohistochemistry-Paraffin: Nucleolin Antibody (NCL/7014R) - Azide and BSA Free [NBP3-11038] - Formalin-fixed, paraffin-embedded cow heart stained with Nucleolin Antibody (NCL/7014R) at 2ug/ml. HIER: Tris/EDTA, pH9.0, 45min. HRP-polymer, 30min. DAB, 5min.



Immunohistochemistry-Paraffin: Nucleolin Antibody (NCL/7014R) - Azide and BSA Free [NBP3-11038] - Formalin-fixed, paraffin-embedded human salivary gland stained with Nucleolin Antibody (NCL/7014R). HIER: Tris/EDTA, pH9.0, 45min. HRP-polymer, 30min. DAB, 5min.



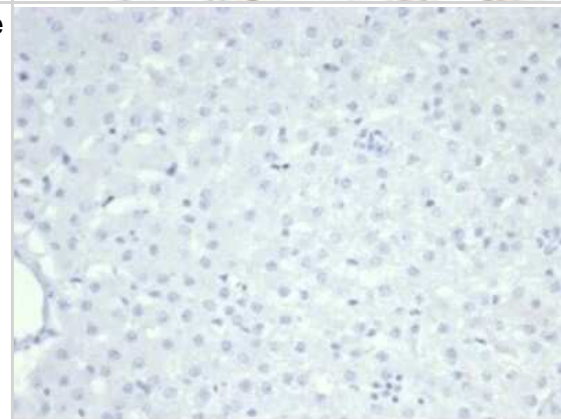
Immunohistochemistry-Paraffin: Nucleolin Antibody (NCL/7014R) - Azide and BSA Free [NBP3-11038] - Formalin-fixed, paraffin-embedded human kidney stained with Nucleolin Antibody (NCL/7014R).



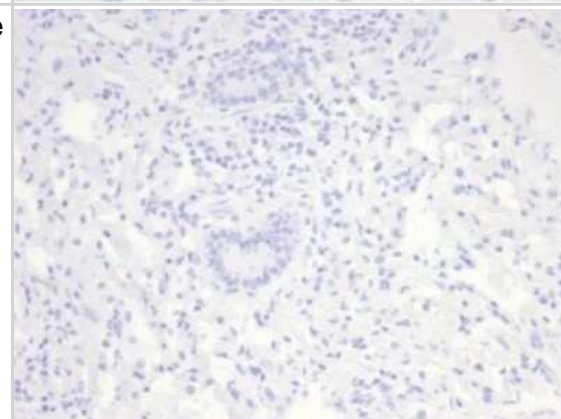
Immunohistochemistry-Paraffin: Nucleolin Antibody (NCL/7014R) - Azide and BSA Free [NBP3-11038] - Formalin-fixed, paraffin-embedded human kidney stained with Nucleolin Antibody (NCL/7014R).



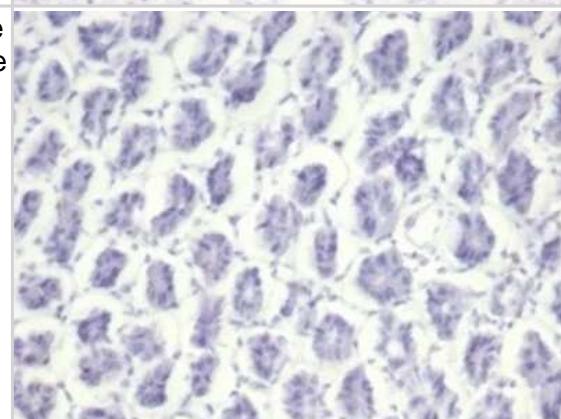
Immunohistochemistry-Paraffin: Nucleolin Antibody (NCL/7014R) - Azide and BSA Free [NBP3-11038] - Formalin-fixed, paraffin-embedded cat liver stained with Nucleolin Antibody (NCL/7014R) at 2ug/ml. HIER: Tris/EDTA, pH9.0, 45min. HRP-polymer, 30min. DAB, 5min.



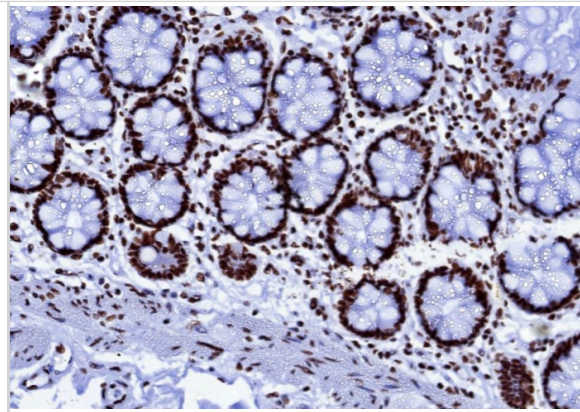
Immunohistochemistry-Paraffin: Nucleolin Antibody (NCL/7014R) - Azide and BSA Free [NBP3-11038] - Formalin-fixed, paraffin-embedded horse lung stained with Nucleolin Antibody (NCL/7014R) at 2ug/ml. HIER: Tris/EDTA, pH9.0, 45min. HRP-polymer, 30min. DAB, 5min.



Immunohistochemistry-Paraffin: Nucleolin Antibody (NCL/7014R) - Azide and BSA Free [NBP3-11038] - Formalin-fixed, paraffin-embedded mouse stomach stained with Nucleolin Antibody (NCL/7014R) at 2ug/ml. HIER: Tris/EDTA, pH9.0, 45min. HRP-polymer, 30min. DAB, 5min.



Formalin-fixed, paraffin-embedded human colon stained with Nucleolin antibody (NCL/7014R) at 2ug/ml. HIER: Tris/EDTA, pH9.0, 45min. Secondary: HRP-polymer, 30min. DAB, 5min.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP3-11038

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP1-88271PEP	Nucleolin Recombinant Protein Antigen
210-TA-005	TNF-alpha [Unconjugated]

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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