

# Product Datasheet

## Nucleolin Antibody (NCL/902) - IHC-Prediluted NBP2-48317

Unit Size: 7 ml

Store at 4C.

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**NBP2-48317**

Nucleolin Antibody (NCL/902) - IHC-Prediluted

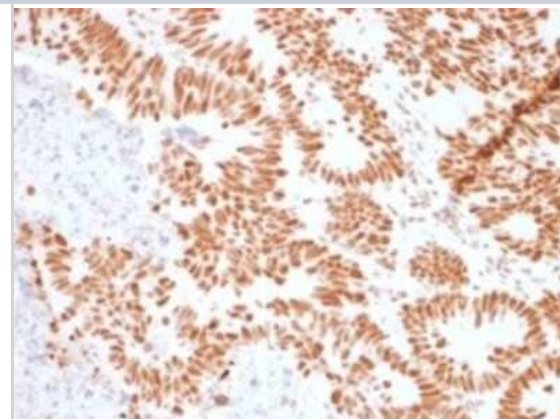
| Product Information            |   |
|--------------------------------|---|
| <b>Unit Size</b>               | 7 ml  |
| <b>Concentration</b>           | Please see the vial label for concentration. If unlisted please contact technical services. |
| <b>Storage</b>                 | Store at 4C.  |
| <b>Clonality</b>               | Monoclonal  |
| <b>Clone</b>                   | NCL/902   |
| <b>Preservative</b>            | 0.05% Sodium Azide  |
| <b>Isotype</b>                 | IgG1 Kappa  |
| <b>Purity</b>                  | Protein A or G purified   |
| <b>Buffer</b>                  | 10 mM PBS with 0.05% BSA  |
| <b>Target Molecular Weight</b> | 76 kDa  |

| Product Description            |  |
|--------------------------------|--|
| <b>Description</b>             | The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining.  |
| <b>Host</b>                    | Mouse  |
| <b>Gene ID</b>                 | 4691   |
| <b>Gene Symbol</b>             | NCL  |
| <b>Species</b>                 | Human, Bovine (Negative), Mouse (Negative), Rat (Negative)   |
| <b>Reactivity Notes</b>        | Does not react with Mouse, Rat or Bovine.  |
| <b>Marker</b>                  | Marker of Human Cells  |
| <b>Specificity/Sensitivity</b> | 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 Mouse 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. |
| <b>Immunogen</b>               | Recombinant full-length human Nucleolin protein (Uniprot: P19338)  |

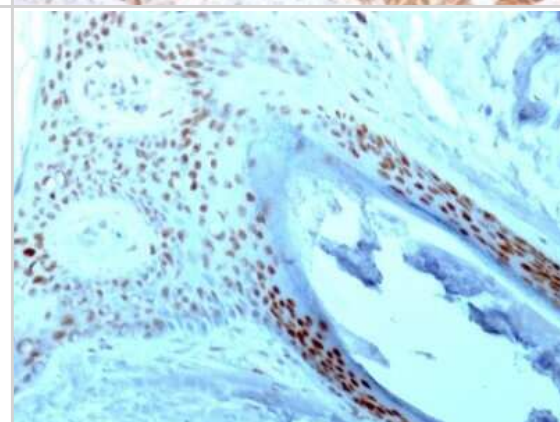
| Product Application Details  |   |
|------------------------------|---|
| <b>Applications</b>          | Immunohistochemistry, Immunohistochemistry-Paraffin   |
| <b>Recommended Dilutions</b> | Immunohistochemistry, Immunohistochemistry-Paraffin   |
| <b>Application Notes</b>     | Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined. |

## Images

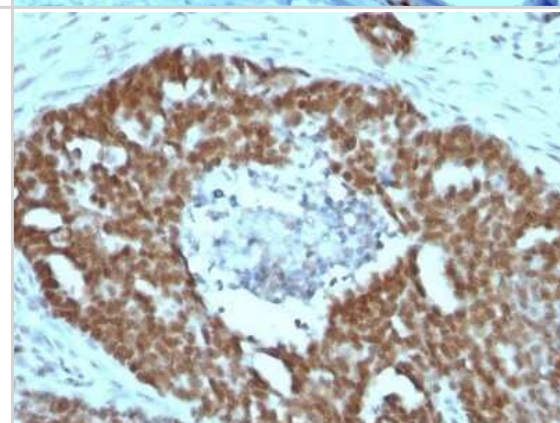
Immunohistochemistry-Paraffin: Nucleolin Antibody (NCL/902) - IHC-Prediluted [NBP2-48317] - Formalin-fixed, paraffin-embedded human colon stained with Nucleolin Antibody (NCL/902).



Immunohistochemistry-Paraffin: Nucleolin Antibody (NCL/902) - IHC-Prediluted [NBP2-48317] - Formalin-fixed, paraffin-embedded human Skin stained with Nucleolin Antibody (NCL/902).



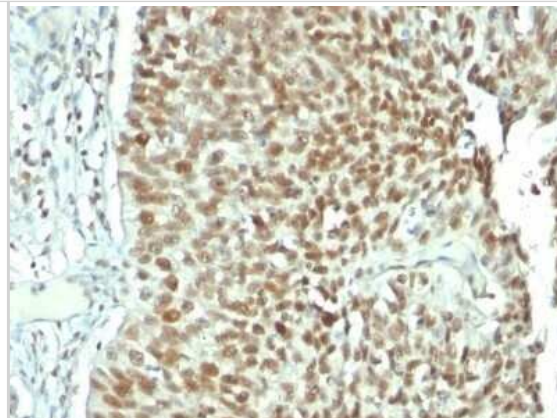
Immunohistochemistry-Paraffin: Nucleolin Antibody (NCL/902) - IHC-Prediluted [NBP2-48317] - Human Ovarian Carcinoma stained with Nucleolin Monoclonal Antibody (NCL/902).



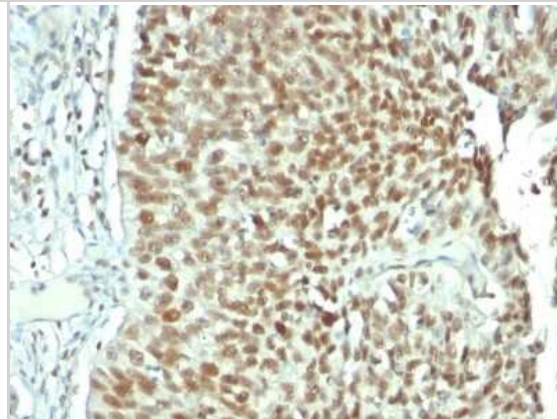
Immunohistochemistry-Paraffin: Nucleolin Antibody (NCL/902) - IHC-Prediluted [NBP2-48317] - Human Uterus stained with Nucleolin Monoclonal Antibody (NCL/902).



Immunohistochemistry-Paraffin: Nucleolin Antibody (NCL/902) - IHC-Prediluted [NBP2-48317] - Human Bladder carcinoma stained with Nucleolin Monoclonal Antibody (NCL/902).



Immunohistochemistry-Paraffin: Nucleolin Antibody (NCL/902) - IHC-Prediluted [NBP2-48317] - Formalin-fixed, paraffin-embedded human Bladder carcinoma stained with Nucleolin Mouse Monoclonal Antibody (NCL/902).





### **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 NBP2-48317**

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|                  |   |
|------------------|---|
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B          | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)           |
| NBP1-88271PEP    | Nucleolin Recombinant Protein Antigen                   |

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### **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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