

# Product Datasheet

## Nucleolin Antibody (SPM614) - IHC-Prediluted NBP2-48318

Unit Size: 7 ml

Store at 4C.

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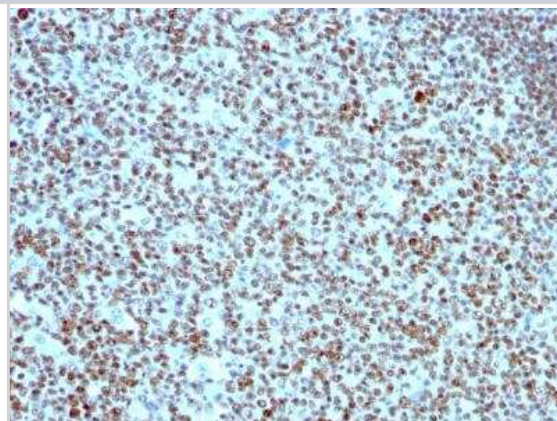


**NBP2-48318****Nucleolin Antibody (SPM614) - IHC-Prediluted**

| <b>Product Information</b>         |  |
|------------------------------------|--|
| <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>                       | SPM614   |
| <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   |
| <b>Product Description</b>         |  |
| <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 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)  |
| <b>Product Application Details</b> |  |
| <b>Applications</b>                | Immunohistochemistry, Immunohistochemistry-Paraffin  |
| <b>Recommended Dilutions</b>       | Immunohistochemistry, Immunohistochemistry-Paraffin  |
| <b>Application Notes</b>           | Hu-chromosome location: 2q37.1 Immunohistochemistry-Paraffin 0.5 - 1.0 ug/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. The 7mL size is a pre-diluted size and no additional dilutions are required before using this item for the intended application.  |

## Images

Immunohistochemistry-Paraffin: Nucleolin Antibody (SPM614) - IHC-Prediluted [NBP2-48318] - Formalin-fixed, paraffin-embedded human Tonsil stained with Nucleolin Monoclonal Antibody (SPM614).





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### **Products Related to NBP2-48318**

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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)           |
| NBP3-21345PEP    | 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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