

Datasheet for ABIN3025717  
**anti-Nucleolin antibody**

## 5 Images

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## Overview

Quantity:	100 µg
Target:	Nucleolin (NCL)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	SUDHL1 cell nuclear lysate (364-5) and recombinant human protein (NCL/902) were used as the immunogen for the Nucleolin antibody cocktail.
Clone:	364-5-NCL-902
Isotype:	IgG
No Cross-Reactivity:	Mouse (Murine), Rat (Rattus), Cow (Bovine)
Purification:	Protein G affinity chromatography

## Target Details

Target:	Nucleolin (NCL)
Alternative Name:	Nucleolin ( <a href="#">NCL Products</a> )
Background:	Recognizes a protein of ~76 kDa, which is identified as Nucleolin (NCL). It is the major nucleolar phosphoprotein of growing eukaryotic cells. NCL is located mainly in dense fibrillar

## Target Details

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 mAb 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.

Pathways: [Ribonucleoprotein Complex Subunit Organization](#)

## Application Details

Application Notes: Optimal dilution of the Nucleolin antibody cocktail should be determined by the researcher.

1. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.\. Flow Cytometry: 0.5-1 µg/million cells in 0.1ml,Immunofluorescence: 0.5-1 µg/mL,Western blot: 0.5-1 µg/mL,Immunohistochemistry (FFPE): 0.5-1 µg/mL for 30 min at RT (1),Prediluted format: incubate for 30 min at RT (2)

Restrictions: For Research Use only

## Handling

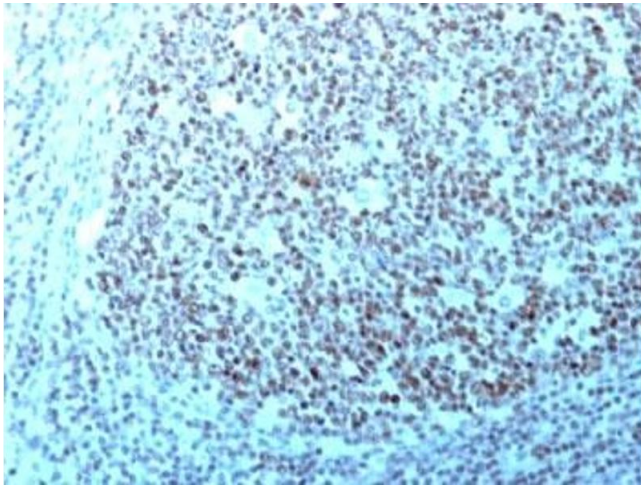
Concentration: 1 mg/mL

Buffer: 1 mg/mL in 1X PBS, BSA free, sodium azide free

Preservative: Azide free

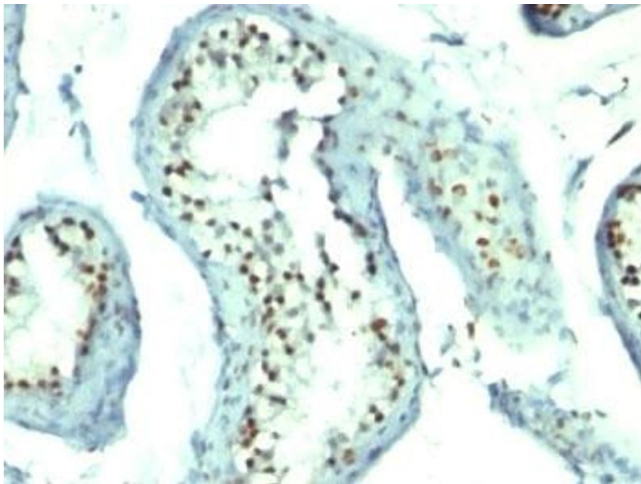
Storage: 4 °C,-20 °C

Storage Comment: Store the Nucleolin antibody cocktail at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



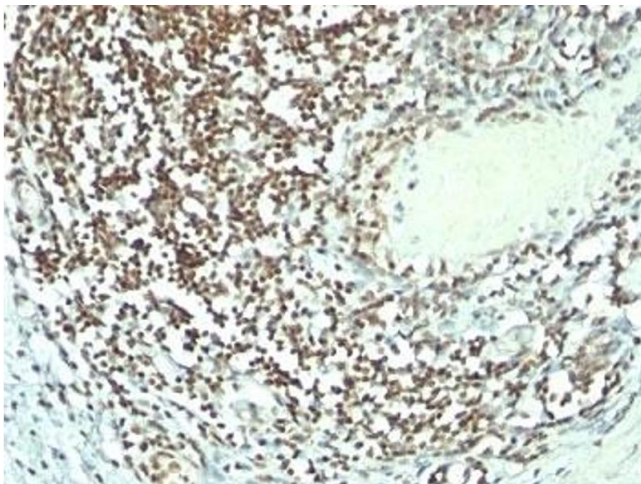
**Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections)**

**Image 1.** Formalin-fixed, paraffin-embedded human tonsil stained with Nucleolin antibody.



**Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections)**

**Image 2.** Formalin-fixed, paraffin-embedded human testicular carcinoma stained with Nucleolin antibody.



**Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections)**

**Image 3.** Formalin-fixed, paraffin-embedded human bladder carcinoma stained with Nucleolin antibody (364-5 + NCL/902).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3025717.