Datasheet for ABIN3025715

anti-Nucleolin antibody

6 Images

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Overview

Quantity:	100 µg
Target:	Nucleolin (NCL)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Nucleolin antibody is un-conjugated
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 (NCL Products)

Target Details

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 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

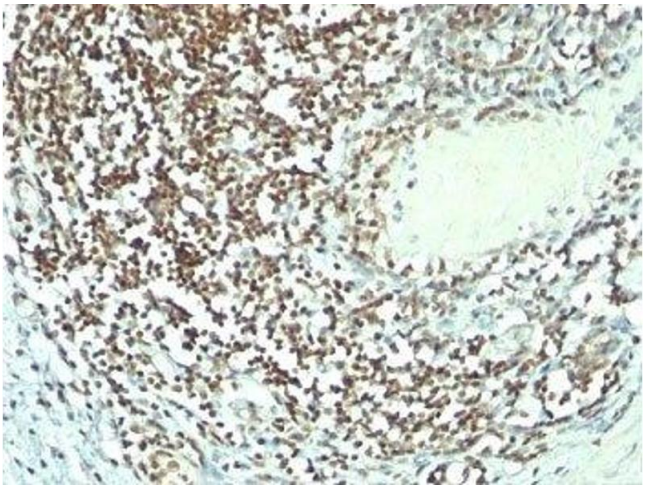
Handling

Concentration:	0.2 mg/mL
Buffer:	0.2 mg/mL in 1X PBS with 0.1 mg/mL BSA (US sourced) and 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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

Handling

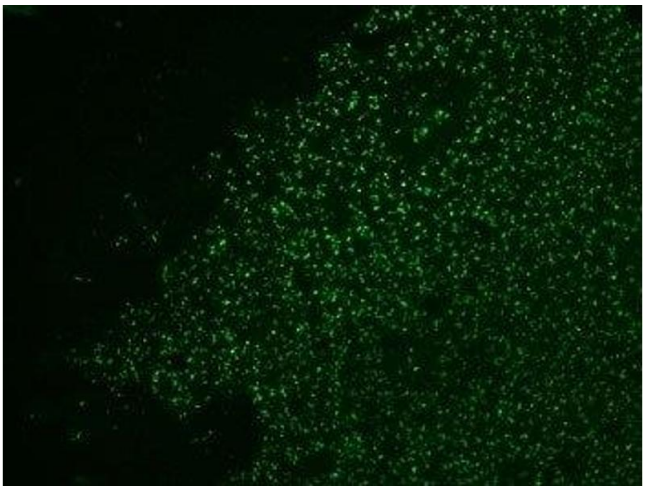
(without azide).

Images



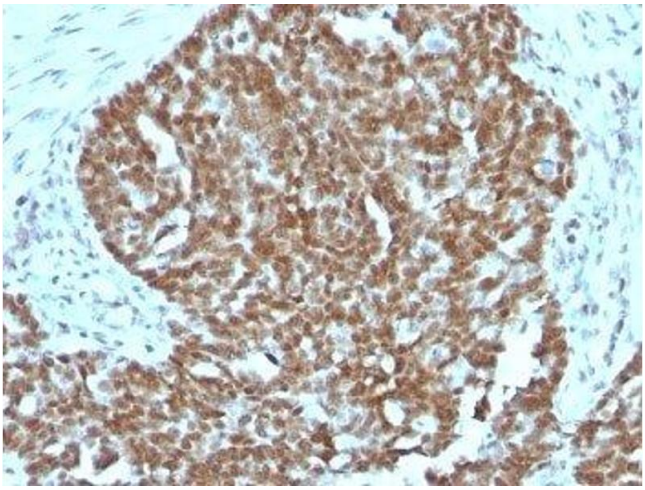
Immunohistochemistry

Image 1. Formalin-fixed, paraffin-embedded human bladder carcinoma stained with Nucleolin antibody (364-5 + NCL/902).



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human colon carcinoma stained with AF488 Conjugate of Nucleolin antibody.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human ovarian carcinoma stained with Nucleolin antibody.

Please check the product details page for more images. Overall 6 images are available for ABIN3025715.