

Datasheet for ABIN6934519

anti-Nucleolin antibody (CF®488A)

2 Images



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Overview

Quantity:	0.5 mL
Target:	Nucleolin (NCL)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Nucleolin antibody is conjugated to CF®488A
Application:	Immunofluorescence (IF), Flow Cytometry (FACS), Immunostaining (Ist), Staining Methods (StM), Test (T)

Product Details

Immunogen:	Recombinant human NCL protein
Clone:	NCL-902
Isotype:	IgG1 kappa
Specificity:	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

Product Details

	paraformaldehyde fixed frozen tissue or cell preparations and formalin fixed, paraffin-embedded tissue sections.
No Cross-Reactivity:	Cow (Bovine), Mouse (Murine), Rat (Rattus)
Purification:	Purified by Protein A/G

Target Details

Target:	Nucleolin (NCL)
Alternative Name:	NCL (NCL Products)
Molecular Weight:	76kDa
Gene ID:	4691
UniProt:	P19338
Pathways:	Ribonucleoprotein Complex Subunit Organization

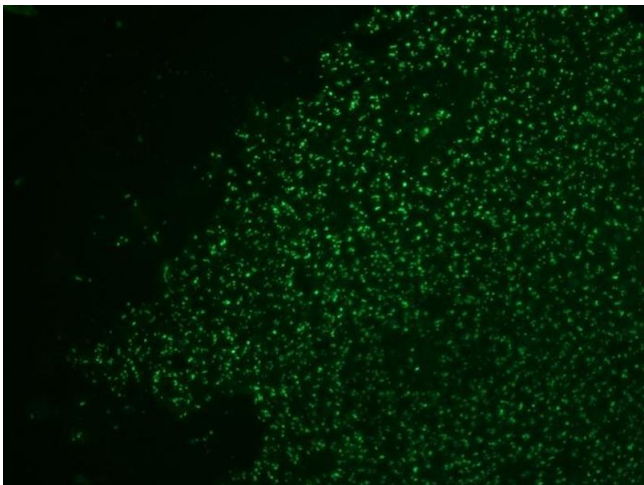
Application Details

Application Notes:	Positive Control: HeLa cells. Breast Cancer. Known Application: Flow Cytometry (5 µL per test per one million cells in 0.1 mL or 5 µL per 100 µL of whole blood),Immunofluorescence (1:50-1:100),(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 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

Handling

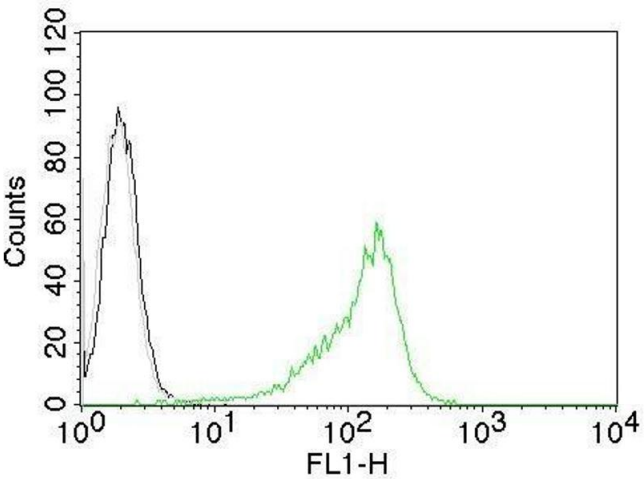
Concentration:	100 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Antibody with azide - store at 4 to 8°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



Immunohistochemistry

Image 1. Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with CF488-labeled Nucleolin Monoclonal Antibody (NCL/902).



Flow Cytometry

Image 2. Flow Cytometric Analysis of human Nucleolin on 293T cells. Black: cells alone; Grey: Isotype Control; Green: CF488-labeled Nucleolin Monoclonal Antibody (NCL/902).