

# CoraLite®532-conjugated B23/NPM1 Monoclonal antibody

Catalog Number: CL532-60096

Featured Product

## Basic Information

**Catalog Number:**

CL532-60096

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG7415

**GenBank Accession Number:**

BC002398

**GeneID (NCBI):**

4869

**UNIPROT ID:**

P06748

**Full Name:**nucleophosmin (nucleolar  
phosphoprotein B23, numatrin)**Calculated MW:**

33 kDa

**Observed MW:**

35-38 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

4F12A3

**Recommended Dilutions:**

IF 1:50-1:500

**Excitation/Emission maxima  
wavelengths:**

537 nm / 560 nm

## Applications

**Tested Applications:**

IF/ICC

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

IF : HeLa cells,

## Background Information

Nucleophosmin (NPM1,B23) is a putative ribosome assembly factor with a high affinity for peptides containing nuclear localization signals (NLSs). The transport of proteins across the nuclear envelope is a selective, multistep process involving several cytoplasmic factors. Proteins must be recognized as import substrates, dock at the nuclear pore complex and translocate across the nuclear envelope in an ATP-dependent fashion. Several cytosolic and nuclear proteins that are central to this process have been identified. The 38 kDa nuclear protein nucleophosmin is involved in ribosomal assembly and rRNA transport. It is an abundant protein that is highly phosphorylated by Cdc2 kinase during mitosis.

## Storage

**Storage:**

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

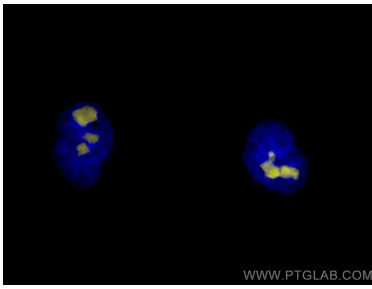
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite®532 B23/NPM1 antibody (CL532-60096, Clone: 4F12A3 ) at dilution of 1:200.