For Research Use Only

CoraLite®568-conjugated B23/NPM1 Monoclonal antibody

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number:CL568-60096 Featured Product

Basic Information

Catalog Number:
CL568-60096

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/ICC 1:500-1:2000

Excitation/Emission maxima wavelengths:
568 nm / 587 nm

Applications

Tested Applications:
IF/ICC, FC (Intra)

Species Specificity:
human, mouse, rat

Positive Controls:

IF/ICC : HepG2 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:
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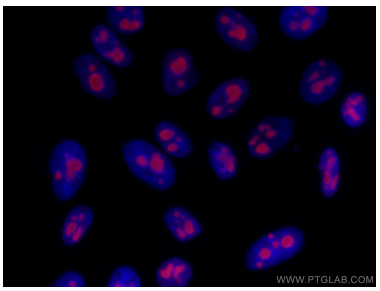
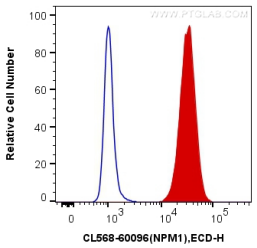
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite®568 B23/NPM1 antibody (CL568-60096, Clone: 4F12A3) at dilution of 1:1000.



1X10^6 HeLa cells were intracellularly stained with 0.4 ug CoraLite®568 Anti-Human B23/NPM1 (CL568-60096, Clone:4F12A3) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).