

For Research Use Only

CoraLite® Plus 405-conjugated B23/NPM1 Monoclonal antibody



Catalog Number: CL405-60096

Featured Product

Basic Information

Catalog Number: CL405-60096	GenBank Accession Number: BC002398	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4869	CloneNo.: 4F12A3
Source: Mouse	Full Name: nucleophosmin (nucleolar phosphoprotein B23, numatrin)	Recommended Dilutions: IF 1:300-1:1200
Isotype: IgG1	Calculated MW: 33 kDa	Excitation/Emission maxima wavelengths: 404 nm / 431 nm
Immunogen Catalog Number: AG7415	Observed MW: 35-38 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : HepG2 cells,
Species Specificity: human, mouse, rat	

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

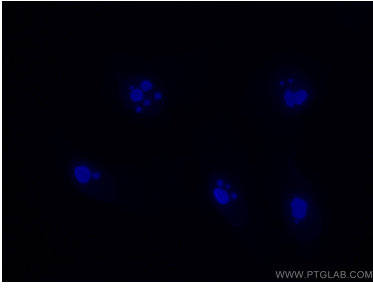
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 405 B23/NPM1 antibody (CL405-60096, Clone: 4F12A3) at dilution of 1:600.