

B23 Monoclonal antibody

Catalog Number: 65032-1-Ig

Basic Information

Catalog Number: 65032-1-Ig	GenBank Accession Number: BC002398	Purification Method: Protein A purification
Size: 150ul , 1733 µg/ml	GeneID (NCBI): 4869	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200
Source: Mouse	Full Name: nucleophosmin (nucleolar phosphoprotein B23, numatrin)	
Isotype: IgG1	Calculated MW: 33 kDa	
	Observed MW: 33 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Species Specificity: human, mouse	WB: SMMC-7721 cells, IHC: Liver cancer tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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 2-8°C.
Storage Buffer:
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

