For Research Use Only

B23 Monoclonal antibody

Catalog Number:65032-1-Ig

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Basic Information

Catalog Number:
65032-1-Ig

Size:
1730 μg/ml

Source:
Mouse

Isotype:
IgG1

GenBank Accession Number:
BC002398

GeneID (NCBI):
4869

UNIPROT ID:
P06748

Full Name:
nucleophosmin (nucleolar phosphoprotein B23, numatrin)

Calculated MW:
33 kDa

Observed MW:
33 kDa

Purification Method:
Protein A purification

Recommended Dilutions:
WB 1:500-1:2000
IHC 1:20-1:200

Applications

Tested Applications:
IHC, WB,ELISA

Species Specificity:
human, mouse

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

Positive Controls:

WB : SMMC-7721 cells,

IHC : Liver cancer tissue,

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.

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