

NPM1

Reactivity: Human Mouse

Tested applications: WB IHC IF FC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:20 - 1:50 FC 1:20 - 1:50

Calculated MW: 33kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human NPM1

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

dj

Synonym:

B23; NPM;

Catalog #: A0485

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 4869

Isotype: IgG

Swiss Prot: P06748

Purity: Affinity purification

For research use only.

Background:

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.

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