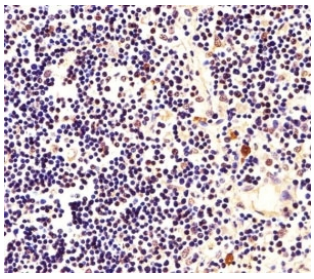
Nucleophosmin Antibody [clone 1042CT5.2.1] (F52273)

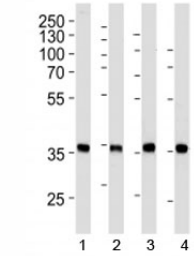
Catalog No.	Formulation	Size
F52273-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F52273-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	1042CT5.2.1
Purity	Purified
UniProt	P06748
Applications	IHC (Paraffin) : 1:25 Western Blot : 1:1000
Limitations	This Nucleophosmin antibody is available for research use only.



Immunohistochemical analysis of paraffin-embedded human thymus using Nucleophosmin antibody at 1:25 dilution.



Nucleophosmin antibody western blot analysis in 1) HeLa, 2) Jurkat, 3) MCF-7, and 4) mouse NIH3T3 lysate. Expected/observed molecular weight: ~38kDa.

Description

Nucleophosmin is involved in diverse cellular processes such as ribosome biogenesis, centrosome duplication, protein chaperoning, histone assembly, cell proliferation, and regulation of tumor suppressors p53/TP53 and ARF. Binds ribosome presumably to drive ribosome nuclear export. Associated with nucleolar ribonucleoprotein structures and bind single-stranded nucleic acids. Acts as a chaperonin for the core histones H3, H2B and H4. Stimulates APEX1 endonuclease activity on apurinic/apyrimidinic (AP) double-stranded DNA but inhibits APEX1 endonuclease activity on AP single-stranded RNA. May exert a control of APEX1 endonuclease activity within nucleoli devoted to repair AP on rDNA and the removal of oxidized rRNA molecules. In concert with BRCA2, regulates centrosome duplication. Regulates centriole duplication: phosphorylation by PLK2 is able to trigger centriole replication.

Application Notes

Titration of the Nucleophosmin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Purified His-tagged protein was used to produced this monoclonal Nucleophosmin antibody.

Storage

Aliquot the Nucleophosmin antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com