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[Primary Antibody]

Mouse Anti-Nucleophosmin antibody

Catalog Number: SLM-60324M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Mouse
Isotype:	IgG1/Kappa
Clonality:	Monoclonal
Clone No.:	H7C2
Target:	Nucleophosmin
Purification:	Affinity purified by Protein G
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human
Subcellular Location:	The nucleus The cell membrane
Background:	Involved in multiple cellular processes, such as ribosome biogenesis, centrosome duplication, protein chaperoning, histone assembly, cell proliferation, and regulation of tumor suppressors p53/TP53 and ARF. Binding to ribosomes may drive ribosome nuclear export. Associated with nucleolar ribonucleoprotein structures and binds single-stranded nucleic acids. Acts as a chaperone for 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 control over APEX1 endonuclease activity within the nucleolus for repair of AP sites on rDNA and removal of oxidized rRNA molecules. Together with BRCA2, regulates centrosome duplication.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.