SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Mouse Anti-Nucleophosim antibody

Catalog Number: SLM-60311M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Mouse
Isotype:	IgG1/Kappa
Clonality:	Monoclonal
Clone No.:	A7E10
Target:	Nucleophosim
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 ICC/IF=1:50-200 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: 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 the tumor suppressor p53/TP53 and ARF. Binds ribosomes presumably to drive ribosomal nuclear export. Associates 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 control APEX1 endonuclease activity within the nucleolus for repair of AP on rDNA and removal of oxidized rRNA molecules. Cooperates with BRCA2 to regulate centrosome duplication. Regulates centriole duplication: PLK2 phosphorylation can trigger centriole duplication.

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