

# Mouse Monoclonal Antibody to Nucleophosmin

## Order Information

Catalog#	20001
Size/Concentration	50ul 100µl
Price(¥)	1280 2180

## Description

Nucleophosmin (NPM2222), also named B23 or NO38, is a major nucleolar protein which is 20 times more abundant in tumor or proliferating cells than in normal resting cells. NPM has been implicated in several distinct cellular functions, including assembly and transport of ribosomes, cytoplasmic/nuclear trafficking, regulation of DNA polymerase alpha activity, centrosome duplication and molecular chaperoning activities. The NPM is also known for its fusion with the anaplastic lymphoma kinase (ALK) receptor tyrosine kinase. The NPM portion contributes to transformation by providing a dimerization domain, which results in activation of the fused kinase.

## Specification

Entrez GeneID	4869
Aliases	B23; NPM
Clone#	7H10B9
MW	33kDa
Host/Isotype	Mouse IgG1
Storage	4°C; -20°C for long term storage. Avoid freeze/thaw cycles.
Species Reactivity	Human,Monkey
Immunogen	Purified recombinant fragment of human NPM (2-265) expressed in E. Coli.
Formulation	Ascitic fluid containing 0.03% sodium azide.

## Application

ELISA	1/10000
WB	1/500 - 1/2000
ICC	1/200 - 1/1000
IHC	1/200 - 1/1000

## References

- Morris SW, et al Science 1994 Mar 4; 263(5151):1281-4.
- Yoneda-Kato N Oncogene 1996 Jan 18;12(2):265-75.

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## Protocol

WB - [www.promab.com/protocol/wb.html](http://www.promab.com/protocol/wb.html)  
IHC - [www.promab.com/protocol/ihc.html](http://www.promab.com/protocol/ihc.html)  
ICC - [www.promab.com/protocol/icc.html](http://www.promab.com/protocol/icc.html)  
HCM - [www.promab.com/protocol/hcm.html](http://www.promab.com/protocol/hcm.html)

**Antigen Sequence** is available upon request.

## Products and Services

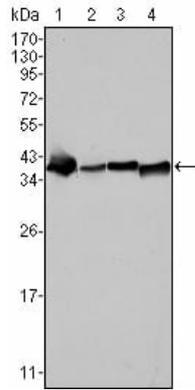
-  Mouse Monoclonal Antibody
-  Rat Monoclonal Antibody
-  Human Antibody
-  Hybridoma Sequencing
-  Polyclonal Antibody

## For Research Only

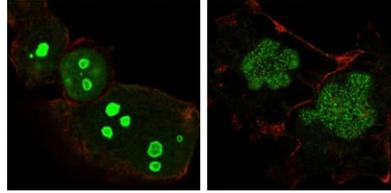
**Application Key:** WB - Western Blot | IHC - Immunohistochemistry | ICC - Immunocytochemistry | FCM - Flow Cytometry | ELISA - Enzyme-linked Immunosorbent Assay | IP - Immunoprecipitation

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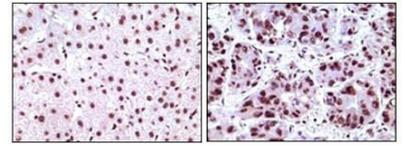
# Mouse Monoclonal Antibody to Nucleophosmin



Western blot analysis using NPM mouse mAb against SMMC-7721 (1), HepG2 (2), HeLa (3) and HEK293 (4) cell lysate.



Confocal Immunofluorescence analysis of HeLa (left) and NTERA-2 (right) cells using NPM mouse mAb (green). Red: Actin filaments have been labeled with DY-554 phalloidin.



Immunohistochemical analysis of paraffin-embedded human liver carcinoma tissues, showing nuclear localization using NPM mouse mAb with DAB staining.

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