

Mouse anti-Human NPM Monoclonal Antibody | anti-NPM antibody

NPM antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA47993	Mouse	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot, ELISA

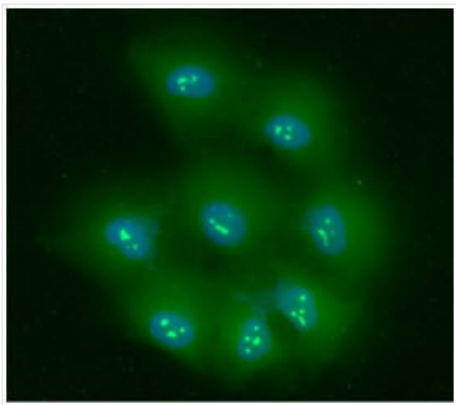
PRODUCT SYNONYMS

NPM; Monoclonal Antibody; NPM antibody; nucleophosmin (nucleolar phosphoprotein B23; numatrin); B23; MGC104254; nucleolar phosphoprotein B23; numatrin; nucleophosmin/nucleoplasmin family; member 1; anti-NPM antibody

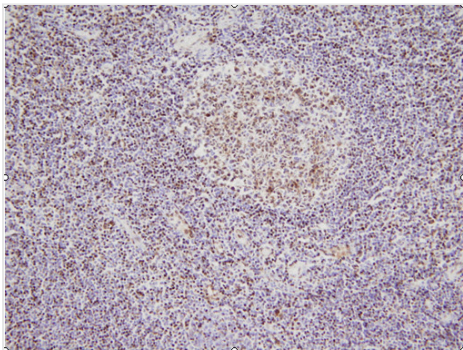
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, k
Clone Number	5E3
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	294
Applicable Applications for anti-NPM antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human NPM (81-294aa) purified from E. coli
Clone Note	Anti-human NPM mAb, clone 5E3, is derived from hybridization of mouse SP2/0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human NPM protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

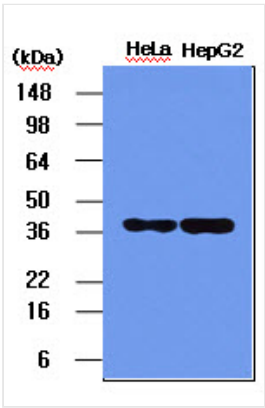
IMAGES



IF (Immunofluorescence)
ICC/IF analysis of NPM in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human NPM antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



IHC (Immunohistochemistry)
This image shows paraffin-embedded human palatine tonsil tissue sample stained with anti-NPM antibody (5E3) at 1:100 dilution.



WB (Western Blot)
The HeLa and HepG2 cell lysates (5ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human NPM (1:1,000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL INFORMATION

Related Product Information for anti-NPM antibody	Nucleophosmin (NPM; also known as B23, NO38, or numatrin) is a nucleolar phosphoprotein that binds the tumor suppressors p53 and p19Arf and is thought to be indispensable for ribogenesis, cell proliferation, and survival after DNA damage. Nucleophosmin is upregulated in many cancer cells.
Product Categories/Family for anti-NPM antibody	Signal Transduction
References	Maiguel DA et al., (2004) Mol cell Biol 24:3703-3711; Colombo Emanuela et al., (2005) Mol cell Biol 25:8874-8886

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835063
NCBI GeneID	4869
NCBI Accession #	NP_002511
NCBI GenBank Nucleotide #	NM_002520.6
UniProt Accession #	P06748; P08693; Q12826; Q13440; Q13441; Q14115; Q5EU94; Q5EU95; Q5EU96; A8K3N7; B5BU00; D3DQL6
Molecular Weight	28,400 Da

NCBI Official Full Name	nucleophosmin isoform 1
NCBI Official Synonym Full Names	nucleophosmin 1
NCBI Official Symbol	NPM1
NCBI Official Synonym Symbols	B23; NPM
NCBI Protein Information	nucleophosmin
UniProt Protein Name	Nucleophosmin
UniProt Gene Name	NPM1
UniProt Synonym Gene Names	NPM; NPM

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/npm-antibody-clone-5e3-flow-cytometry-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/47993>