

Nucleophosmin Polyclonal Antibody | anti-NPM1 antibody

Anti-Nucleophosmin Antibody

CATALOG # AAA46272	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
------------------------------	--	---

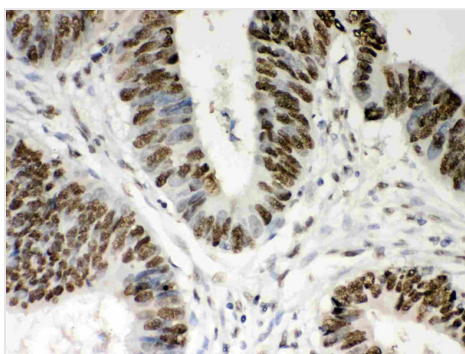
PRODUCT SYNONYMS

Nucleophosmin; Polyclonal Antibody; Anti-Nucleophosmin Antibody; B23; MGC104254; NMP1; NO38; NPM 1; NPM; NPM_HUMAN; NPM1; Nucleolar Phosphoprotein B23; Nucleolar protein NO38; Nucleophosmin (nucleolar phosphoprotein B23 numatrin); nucleophosmin nucleoplasmin family member 1; Nucleophosmin/B23.2; Nucleophosmin/nucleoplasmin family member 1; Nucleoplasmin Family Member 1; Numatrin; OTTHUMP00000161024; OTTHUMP00000161025; OTTHUMP00000223397; OTTHUMP00000223398; TRK fused gene; nucleophosmin (nucleolar phosphoprotein B23; numatrin); anti-NPM1 antibody

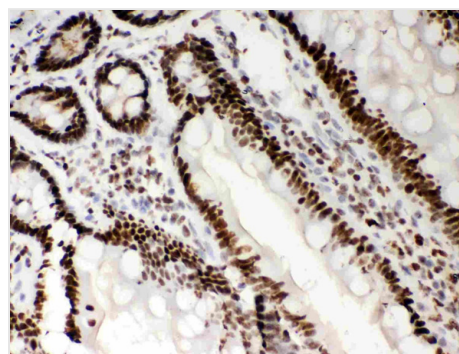
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	259
Applicable Applications for anti-NPM1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Nucleophosmin recombinant protein (Position: M1-L294). Human Nucleophosmin shares 95% amino acid (aa) sequence identity with both mouse and rat Nucleophosmin.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

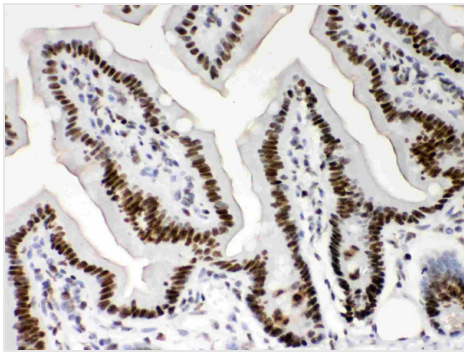
IMAGES


IHC (Immunohistochemistry)

Anti- Nucleophosmin Picoband antibody, AAA46272,IHC(P)IHC(P): Human Intestinal Cancer Tissue

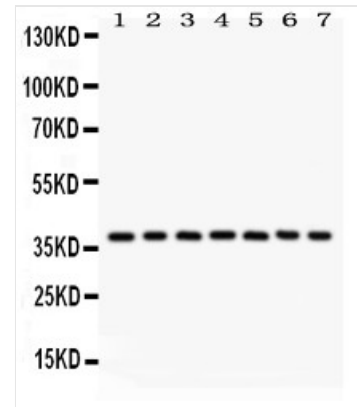

IHC (Immunohistochemistry)

Anti- Nucleophosmin Picoband antibody, AAA46272,IHC(P)IHC(P): Rat Intestine Tissue



IHC (Immunohistochemistry)

Anti- Nucleophosmin Picoband antibody, AAA46272,IHC(P)IHC(P): Mouse Intestine Tissue



WB (Western Blot)

Anti- Nucleophosmin Picoband antibody, AAA46272, Western blottingAll lanes: Anti Nucleophosmin (AAA46272) at 0.5ug/mlLane 1: Rat Testis Tissue Lysate at 50ugLane 2: Mouse Testis Tissue Lysate at 50ugLane 3: SKOV Whole Cell Lysate at 40ugLane 4: HEPA Whole Cell Lysate at 40ugLane 5: JURKAT Whole Cell Lysate at 40ugLane 6: HUT Whole Cell Lysate at 40ugLane 7: HELA Whole Cell Lysate at 40ugPredicted bind size: 33KDObserved bind size: 38KD

ADDITIONAL INFORMATION

Related Product Information for anti-NPM1 antibody	Description: Rabbit IgG polyclonal antibody for Nucleophosmin(NPM1) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: NPM1(Nucleophosmin/Nucleoplasmin family, member1), also known as NPM, nucleolar phosphoprotein B23 or numatrin, is a protein that in humans is encoded by the NPM1 gene. The NPM1 gene maps to chromosome 5q35. Chan et al. (1989) found that nucleophosmin is a nucleolar phosphoprotein that is more abundant in tumor cells than in normal resting cells. Stimulation of the growth of normal cells, e.g., mitogen activation of B lymphocytes, was accompanied by an increase in nucleophosmin protein level. They stated that nucleophosmin is likely involved in the assembly of ribosomal proteins into ribosomes. Electron microscopic study indicated that nucleophosmin is concentrated in the granular region of the nucleolus, where ribosome assembly occurs.
References	1. Chan, W.-Y., Liu, Q.-R., Borjigin, J., Busch, H., Rennert, O. M., Tease, L. A., Chan, P.-K. Characterization of the cDNA encoding human nucleophosmin and studies of its role in normal and abnormal growth. Biochemistry 28: 1033-1039, 1989. 2. Gale, R. E., Green, C., Allen, C., Mead, A. J., Burnett, A. K., Hills, R. K., Linch, D. C. The impact of FLT3 tandem duplication mutant level, number, size, and interaction with NPM1 mutations in a large cohort of young adult patients with acute myeloid leukemia. Blood 111: 2776-2784, 2008. 3. Zhang, Q., Wang, H. Y., Liu, X., Wasik, M. A. STAT5A is epigenetically silenced by the tyrosine kinase NPM1-ALK and acts as a tumor suppressor by reciprocally inhibiting NPM1-ALK expression. Nature Med. 13: 1341-1348, 2007.

NCBI AND UNIPROT INFORMATION

NCBI GI #	83641870
NCBI GeneID	4869
NCBI Accession #	NP_001032827.1
NCBI GenBank Nucleotide #	NM_001037738.2
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 3
NCBI Official Synonym Full Names	nucleophosmin (nucleolar phosphoprotein B23, numatrin)
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
UniProt Entry Name	NPM_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/nucleophosmin-antibody-immunohistochemistry-western-blot-elisa/46272>