Datasheet for ABIN3032076

anti-NPM1 antibody (AA 198-226)

6 Images

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Overview

Quantity:	0.4 mL
Target:	NPM1
Binding Specificity:	AA 198-226
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NPM1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Immunogen:	A portion of amino acids 198-226 from the human protein was used as the immunogen for this NPM1 antibody.
Isotype:	Ig Fraction
Purification:	Purified

Target Details

Target:	NPM1
Alternative Name:	NPM1 (NPM1 Products)
Background:	Nucleophosmin/NPM1 is a ubiquitously expressed nucleolar protein that shuttles between the nucleus and cytoplasm. It is implicated in multiple functions, including ribosomal protein

Target Details

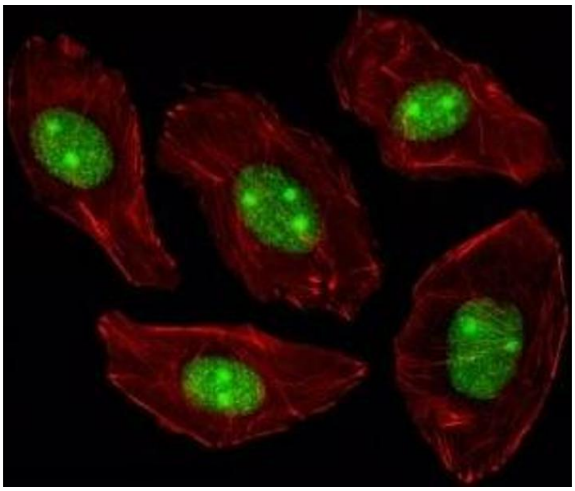
	assembly and transport, control of centrosome duplication, and regulation of the tumor suppressor ARF. NPM1 mutations that relocalize NPM1 from the nucleus into the cytoplasm are associated with development of acute myeloid leukemia.
UniProt:	P06748
Pathways:	Ribonucleoprotein Complex Subunit Organization, Ribosome Assembly

Application Details

Application Notes:	Titration of the NPM1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Immunofluorescence: 1:10-1:50,Western blot: 1:1000,Flow Cytometry: 1:10-1:50,IHC (Paraffin): 1:10-1:50
Restrictions:	For Research Use only

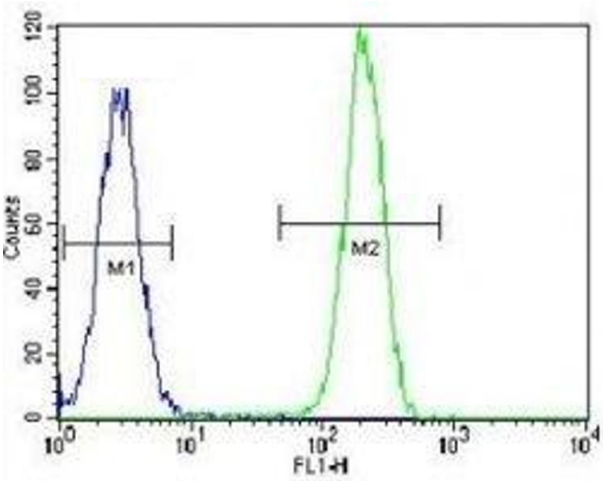
Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the NPM1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



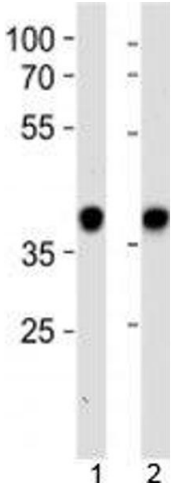
Immunofluorescence

Image 1. Fluorescent image of A549 cells stained with NPM1 antibody. Alexa Fluor 488 conjugated secondary was used (green). NPM1 immunoreactivity is localized to the nucleus and nucleolus significantly.



Flow Cytometry

Image 2. NPM1 antibody flow cytometric analysis of HeLa cells (green) compared to a negative control (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Western Blotting

Image 3. NPM1 antibody western blot analysis in 1) HeLa and 2) Jurkat lysate

Please check the product details page for more images. Overall 6 images are available for ABIN3032076.