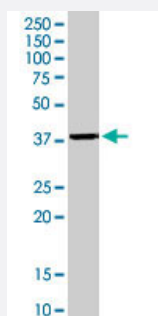


NPM1 polyclonal antibody

Catalog # PAB6762 Size 100 ug

Applications



Western Blot (Cell lysate)

NPM1 polyclonal antibody (Cat # PAB6762) (0.1 ug/mL) staining of HeLa lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of NPM1.
Immunogen	A synthetic peptide corresponding to human NPM1.
Sequence	C-QEAIQDLWQWRKSL
Host	Goat
Theoretical MW (kDa)	32.6, 29.5
Reactivity	Human, Mouse, Rat
Specificity	This antibody is expected to recognize both report isoforms (NP_002511.1, NP_954654.1).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

Recommend Usage	ELISA (1:2000) Western Blot (0.1-0.3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

NPM1 polyclonal antibody (Cat # PAB6762) (0.1 ug/mL) staining of HeLa lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — NPM1

Entrez GeneID	4869
Protein Accession#	NP_002511.1;NP_954654.1
Gene Name	NPM1
Gene Alias	B23, MGC104254, NPM
Gene Description	nucleophosmin (nucleolar phosphoprotein B23, numatrin)
Omim ID	164040 601626
Gene Ontology	Hyperlink
Gene Summary	NPM1 is a ubiquitously expressed nucleolar protein that shuttles between the nucleus and cytoplasm. It is implicated in multiple functions, including ribosomal protein assembly and transport, control of centrosome duplication, and regulation of the tumor suppressor ARF (MIM 600160). NPM1 mutations that relocalize NPM1 from the nucleus into the cytoplasm are associated with development of acute myeloid leukemia (AML; MIM 601626) (Garzon et al., 2008 [PubMed 18308931]).[supplied by OMIM]
Other Designations	nucleolar phosphoprotein B23 nucleophosmin 1 nucleophosmin/nucleoplasmin family, member 1 numatrin

Publication Reference

- [NPM mutations in acute myelogenous leukemia.](#)

Grisendi S, Pandolfi PP.

The New England Journal of Medicine 2005 Jan; 352(3):291.

Disease

- [Acute Disease](#)
- [Blast Crisis](#)
- [Cell Transformation](#)
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