



# Rabbit Anti-Human NPM Polyclonal Antibody (CABT-L2229)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal Antibody to Nucleophosmin (Knockout Validated)
<b>Specificity</b>	The antibody is a rabbit polyclonal antibody raised against NPM. It has been selected for its ability to recognize NPM in immunohistochemical staining and western blotting.
<b>Target</b>	NPM
<b>Immunogen</b>	Recombinant fragment corresponding to human NPM1 (Asp212~Leu292)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse
<b>Purification</b>	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	200 µg
<b>Buffer</b>	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
<b>Preservative</b>	0.05% Proclin-300

<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
<b>Ship</b>	4°C with ice bags

## BACKGROUND

<b>Introduction</b>	This gene encodes a phosphoprotein which moves between the nucleus and the cytoplasm. The gene product is thought to be involved in several processes including regulation of the ARF/p53 pathway. A number of genes are fusion partners have been characterized, in particular the anaplastic lymphoma kinase gene on chromosome 2. Mutations in this gene are associated with acute myeloid leukemia. More than a dozen pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Nov 2009]
<b>Keywords</b>	B23;NPM1;Nucleolar Phosphoprotein B23;Numatrin;Nucleophosmin/Nucleoplasmin Family,Member 1;Nucleolar protein NO38

## GENE INFORMATION

<b>Gene Name</b>	NPM1 nucleophosmin (nucleolar phosphoprotein B23, numatrin) [ Homo sapiens (human) ]
<b>Official Symbol</b>	NPM1
<b>Synonyms</b>	NPM1; nucleophosmin (nucleolar phosphoprotein B23, numatrin); B23; NPM; nucleophosmin; nucleolar protein NO38; nucleophosmin/nucleoplasmin family, member 1;
<b>Protein Refseq</b>	NP_001032827
<b>UniProt ID</b>	<a href="#">P06748</a>
<b>Chromosome Location</b>	5q35.1
<b>Pathway</b>	Aurora B signaling; BARD1 signaling events; Cell Cycle; Chromosome Maintenance; Deposition of new CENPA-containing nucleosomes at the centromere; Disease; HIF-1-alpha transcription factor network; HIV Infection;
<b>Function</b>	NF-kappaB binding; RNA binding; Tat protein binding; histone binding; poly(A) RNA binding; protein binding; protein heterodimerization activity; protein homodimerization activity; protein kinase binding; protein kinase inhibitor activity; ribosomal large subunit binding; ribosomal small subunit binding; transcription coactivator activity; unfolded protein binding;