



# Human NPM1 peptide (DAG-P1818)

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

## PRODUCT INFORMATION

|                              |  |
|------------------------------|--|
| <b>Antigen Description</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>Conjugate</b>             | Unconjugated   |
| <b>Sequence Similarities</b> | Belongs to the nucleoplasmin family.   |
| <b>Format</b>                | Liquid   |
| <b>Preservative</b>          | None   |
| <b>Storage</b>               | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.  |

## GENE INFORMATION

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|------------------------|--|
| <b>Gene Name</b>       | <a href="#">NPM1 nucleophosmin (nucleolar phosphoprotein B23, numatrin) [ Homo sapiens (human) ]</a>   |
| <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>Entrez Gene ID</b>  | <a href="#">4869</a>   |
| <b>mRNA Refseq</b>     | <a href="#">NM_001037738.2</a>   |

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|----------------------------|--|
| <b>Protein Refseq</b>      | <a href="#">NP_001032827.1</a>   |
| <b>UniProt ID</b>          | P06748   |
| <b>Chromosome Location</b> | 5q35.1   |
| <b>Pathway</b>             | Aurora B signaling, organism-specific biosystem; BARD1 signaling events, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Chromosome Maintenance, organism-specific biosystem; Deposition of New CENPA-containing Nucleosomes at the Centromere, organism-specific biosystem; Disease, organism-specific biosystem; HIF-1-alpha transcription factor network, organism-specific biosystem; HIV Infection, organism-specific biosystem; Host Interactions of HIV factors, organism-specific bios |
| <b>Function</b>            | NF-kappaB binding; 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 activit  |