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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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NPM1 monoclonal antibody (M01), clone 3B2

Catalog # : H00004869-M01

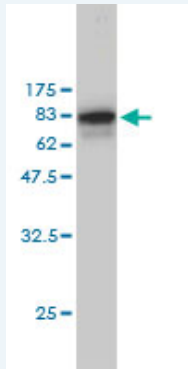
規格 : [100 ug]

[List All](#)

Specification

Product Description:	Mouse monoclonal antibody raised against a full length recombinant NPM1.
Immunogen:	NPM1 (AAH02398.1, 1 a.a. ~ 294 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MEDSMDMDMSPLRPQNYLFGCELKADKDYHFKVDNDENEHQLSLRTVSLGAGAKDELHIVEAEAMNYEGSPIKVTLATLKMSVQPTVSLGGFEITPPVWLRLKCGSGPVHISGQHLVAVEEDAEESEDEEEEDVKLLSISGKRSAPGGGSKVPQKKVKLADEDDDDDEEDDDDDDDDFDDEEAEEKAPVKKSIRDTPAKNAQKSNQNGKDSKPSSTPRSKGQESFKKQEKTPKTPKGPSSVEDIKAKMQASIEKGGSLPKVEAKFINYVKNCFRMTDQEAIQDLWQWRKSL
Host:	Mouse
Reactivity:	Human
Isotype:	IgG1 kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (58.08 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS: [Download](#)

Datasheet: [Download](#)

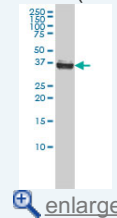
Publication Reference

1. [Retinoic acid and arsenic trioxide trigger degradation of mutated NPM-1 resulting in apoptosis of AML cells.](#)
El Hajj H, Dassouki Z, Berthier C, Raffoux E, Ades L, Legrand O, Hleihel R, Sahin U, Tawil N, Salameh A, Zibara K, Darwiche N, Mohty M, Dombret H, Fenaux P, de The H, Bazarbachi A. *Blood*. 2015 Mar 23. pii: blood-2014-11-612416.

Applications

Application Image

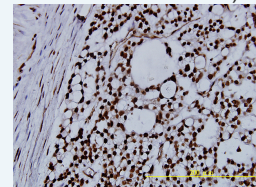
Western Blot (Cell lysate)



[enlarge](#)

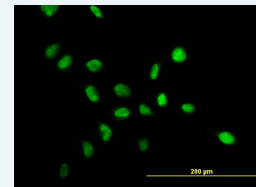
Western Blot (Recombinant protein)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)



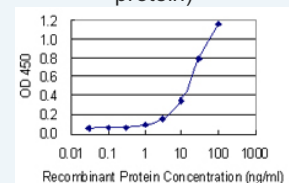
[enlarge](#)

Immunofluorescence



[enlarge](#)

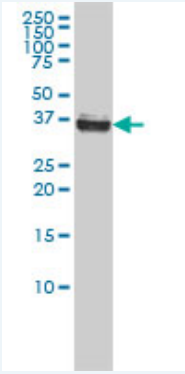
Sandwich ELISA (Recombinant protein)




[enlarge](#)

ELISA


Western Blot (Cell lysate)



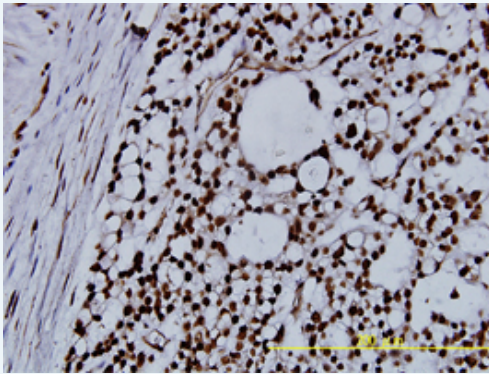
NPM1 monoclonal antibody (M01), clone 3B2 Western Blot analysis of NPM1 expression in HeLa S3 NE (Cat # L013V3).

 [Protocol Download](#)

Western Blot (Recombinant protein)

 [Protocol Download](#)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

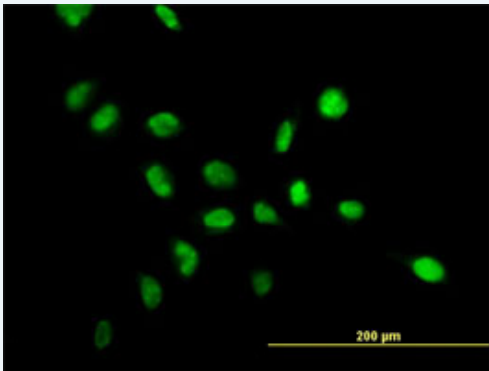



 enlarge this image

Immunoperoxidase of monoclonal antibody to NPM1 on formalin-fixed paraffin-embedded human ovary, clear cell carcinoma tissue. [antibody concentration 5 ug/ml]

 [Protocol Download](#)

Immunofluorescence

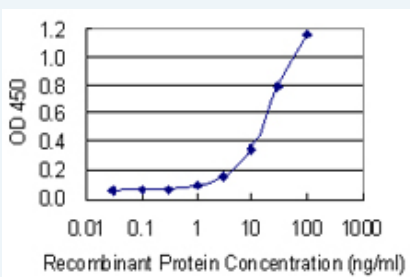


 enlarge this image

Immunofluorescence of monoclonal antibody to NPM1 on HeLa cell. [antibody concentration 10 ug/ml]

 [Protocol Download](#)

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged NPM1 is 0.3 ng/ml as a capture antibody.

ELISA

Gene Information

Entrez GeneID: [4869](#)

GeneBank Accession#: [BC002398](#)

Protein Accession#: [AAH02398.1](#)

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

Related Disease

[Acute Disease Blast Crisis Cell Transformation, Neoplastic Chromosome Aberrations Disease Progression Genetic Predisposition to Disease Inversion, Chromosome Leukemia, chronic myeloid Leukemia, Myelocytic, Acute Leukemia, Myeloid Leukemia, Myeloid, Acute Leukemia, Myelomonocytic, Chronic Leukemia, Nonlymphocytic, Acute Leukemia, Promyelocytic, Acute Myelodysplastic Syndromes Neoplasm, Residual Recurrence Translocation, Genetic](#)