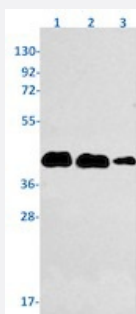


RecomAb™

NPM1 recombinant monoclonal antibody, clone R06-4G7

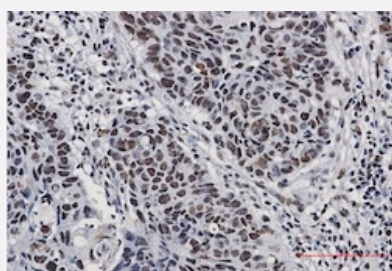
Catalog # RAB02046 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane 1: HCT116, Lane 2: T47D and Lane 3: MCF-7 lysates with NPM1 recombinant monoclonal antibody, clone R06-4G7 (Cat # RAB02046).



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

Immunohistochemical staining (Formalin/PFA-fixed paraffin-embedded sections) of human lung cancer with NPM1 recombinant monoclonal antibody, clone R06-4G7 (Cat # RAB02046).

High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human NPM1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human NPM1.
Theoretical MW (kDa)	Calculated MW: 33 kD
Reactivity	Human
Form	Liquid

Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:100) Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
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

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- Immunoprecipitation

Gene Info — NPM1

Entrez GeneID	4869
Protein Accession#	P06748
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

Disease

- [Acute Disease](#)
- [Blast Crisis](#)
- [Cell Transformation](#)
- [Chromosome Aberrations](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Inversion](#)
- [Leukemia](#)
- [Myelodysplastic Syndromes](#)
- [Neoplasm](#)
- [Recurrence](#)
- [Translocation](#)