

Product Datasheet

Nucleophosmin Antibody / NPM1 (orb607176)

Catalog Number	orb607176
Category	Antibodies
Description	The protein encoded by the NPM1 gene is involved in several cellular processes, including centrosome duplication, protein chaperoning, and cell proliferation. The encoded phosphoprotein shuttles between the nucleolus, nucleus, and cytoplasm, chaperoning ribosomal proteins and core histones from the nucleus to the cytoplasm. This protein is also known to sequester the tumor suppressor ARF in the nucleolus, protecting it from degradation until it is needed. Mutations in this gene are associated with acute myeloid leukemia. [RefSeq]
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Reactivity	Human
Immunogen	A portion of amino acids 185-287 from the human protein was used as the immunogen for the NPM antibody.
UniProt ID	P06748
Tested applications	IHC-P, WB
Dilution range	Western blot: 1-2ug/ml, Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT, Prediluted IHC only format: incubate for 30 min at RT (1)
Application notes	Optimal dilution of the antibody should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	NLPP1-1

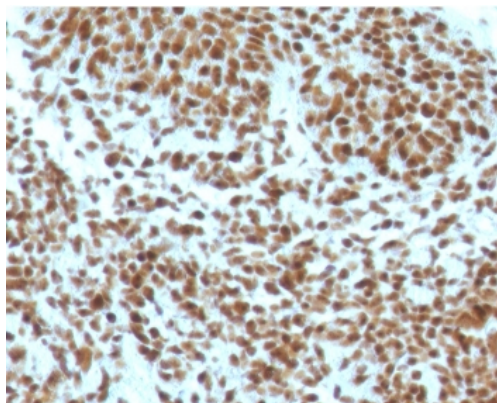
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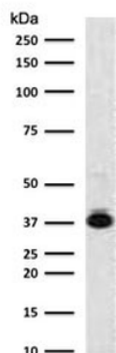
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Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only



IHC staining of FFPE human basal cell carcinoma with NPM antibody (clone NLPP1-1). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



Western blot testing of human K562 cell lysate with Nucleophosmin antibody (clone NLPP1-1). Expected molecular weight ~38 kDa.

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