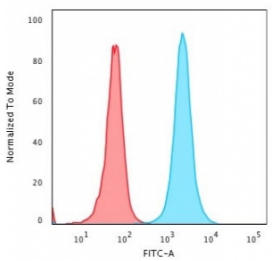
Recombinant Nucleophosmin Antibody / NPM1 [clone rNPM1/1901] (V7981)

Catalog No.	Formulation	Size
V7981-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7981-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7981SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

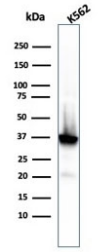
Recombinant MOUSE MONOCLONAL

Bulk quote request

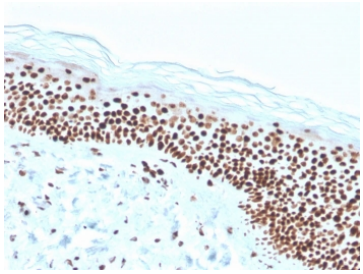
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rNPM1/1901
Purity	Protein G affinity chromatography
UniProt	P06748
Localization	Nuclear, cytoplasmic
Applications	Immunohistochemistry (FFPE): 1-2ug/ml (not suitable for frozen tissue sample testing) Western blot: 1-2ug/ml Flow cytometry: 1-2ug/million cells in 0.1ml
Limitations	This recombinant Nucleophosmin antibody is available for research use only.



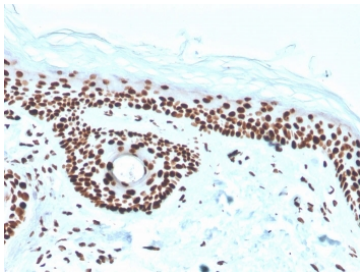
Flow cytometry testing of PFA-fixed human HeLa cells with recombinant Nucleophosmin antibody (clone rNPM1/1901); Red=isotype control, Blue= recombinant Nucleophosmin antibody.



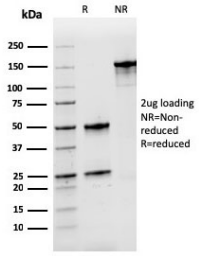
Western blot testing of human K562 cell lysate with recombinant Nucleophosmin antibody. Predicted molecular weight ~38 kDa.



IHC staining of FFPE human skin with recombinant Nucleophosmin antibody (clone rNPM1/1901). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human skin with recombinant Nucleophosmin antibody (clone rNPM1/1901). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant Nucleophosmin antibody (clone rNPM1/1901) as confirmation of integrity and purity.

Description

Nucleophosmin (NPM) is predominantly localized in the nucleus of cells in most tissues. NPM is involved in ribosomal assembly and rRNA transport. It is an abundant protein that is highly phosphorylated by Cdc2 kinase during mitosis. This phosphoprotein moves between the nucleus and the cytoplasm. It is thought to be involved in several processes including regulation of the ARF/p53 pathway. A number of genes are fusion partners, in particular the anaplastic lymphoma kinase gene on chromosome 2. Mutations in exon 12 affecting the C-terminus of the protein are associated with an aberrant cytoplasmic location. Mutations in this gene are associated with acute myeloid leukemia. The antibody may be a useful aid for classification of acute myeloid leukemia.

Application Notes

Optimal dilution of the recombinant Nucleophosmin antibody should be determined by the researcher.

Immunogen

A recombinant human partial protein (amion acids 185-287) was used as the immunogen for this recombinant Nucleophosmin antibody.

Storage

Store the recombinant Nucleophosmin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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