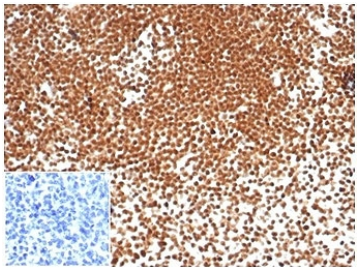
Recombinant NPM1 Antibody / Nucleophosmin [clone NPM1/7072R] (V9687)

Catalog No.	Formulation	Size
V9687-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9687-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9687SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

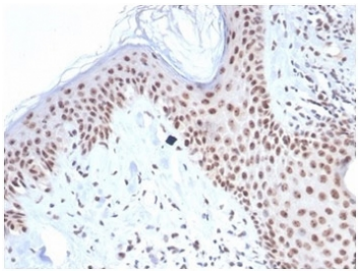
Recombinant RABBIT MONOCLONAL

Bulk quote request

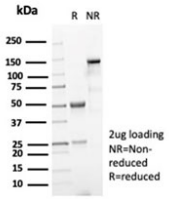
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	NPM1/7072R
Purity	Protein A/G affinity
UniProt	P06748
Localization	Nucleus, Cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant NPM1 antibody is available for research use only.



IHC staining of FFPE human tonsil tissue with recombinant NPM1 antibody. Negative control inset: PBS instead of primary antibody to control for secondary binding. 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 basal cell carcinoma tissue with recombinant NPM1 antibody. 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 NPM1 antibody as confirmation of integrity and purity.

Description

Recognizes a 33kDa glycoprotein identified as Nucleophosmin (NPM). It 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 NPM1 antibody should be determined by the researcher.

Immunogen

A recombinant protein fragment was used as the immunogen for the recombinant NPM1 antibody.

Storage

Aliquot the recombinant NPM1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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