

NPM1 Rabbit pAb

Catalog No.: A17983

3 Publications

Basic Information

Observed MW

38kDa

Calculated MW

33kDa

Category

Primary antibody

Applications

WB, IHC-P, IF/ICC, ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

The protein encoded by this 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. Dozens of pseudogenes of this gene have been identified.

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:100 - 1:500
IF/ICC	1:50 - 1:200
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

4869

Swiss Prot

P06748

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

B23; NPM; NPM1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

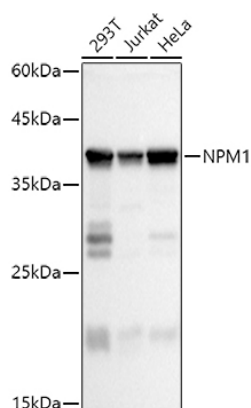
Affinity purification

Storage

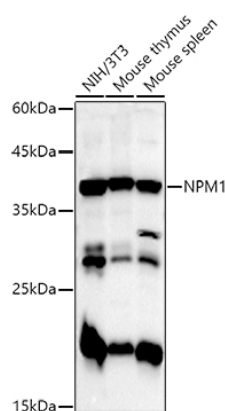
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

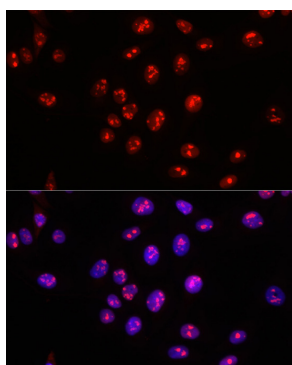
Validation Data



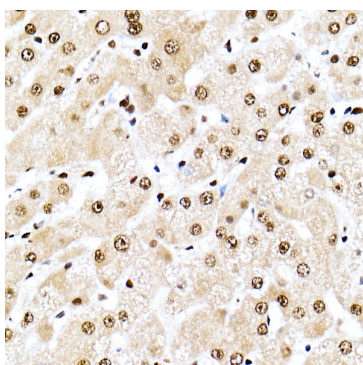
Western blot analysis of various lysates using NPM1 Rabbit pAb (A17983) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 3s.



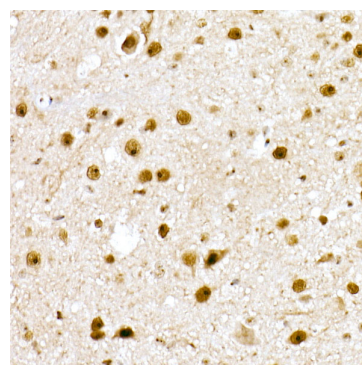
Western blot analysis of various lysates using NPM1 Rabbit pAb (A17983) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.



Immunofluorescence analysis of U2OS cells using NPM1 Rabbit pAb (A17983) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

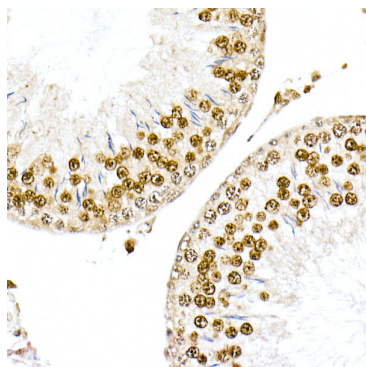


Immunohistochemistry analysis of paraffin-embedded Human liver using NPM1 Rabbit pAb (A17983) at dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse spinal cord using NPM1 Rabbit pAb (A17983) at dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Rat testis using NPM1 Rabbit pAb (A17983) at dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.