

PAC664Mu02

Polyclonal Antibody to Nucleophosmin 1 (NPM1)

Organism Species: *Mus musculus* (Mouse)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Polyclonal antibody preparation

Host: Rabbit

Purification: Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Traits: Liquid

Concentration: 0.5mg/mL

UOM: 100μL

Cross Reactivity: Human

Applications: WB; IHC; ICC/IF

[IMMUNOGEN]

Immunogen: Recombinant NPM1 (Asp212~Leu292 (Accession # Q61937)) expressed in *E.coli*

Accession No.: RPC664Mu02

[APPLICATIONS]

Western blotting: 0.01-2μg/mL;

Immunohistochemistry: 5-30μg/mL;

Immunofluorescence: 5-20μg/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

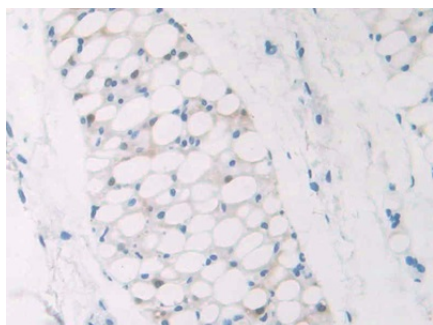
Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 months.

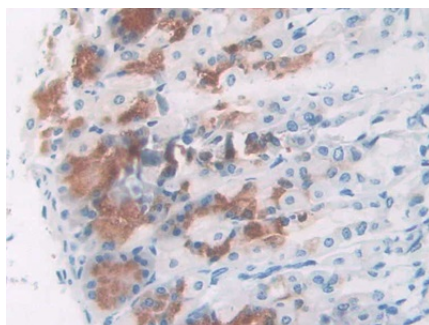
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

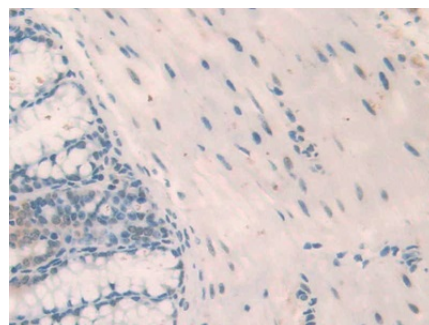
[IDENTIFICATION]



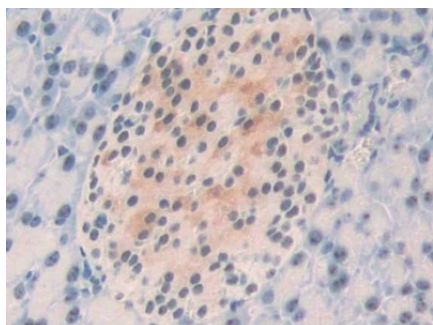
DAB staining on IHC-P; Samples: Mouse Adipose tissue Tissue; Primary Ab: 30µg/ml Rabbit Anti-Mouse NPM Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



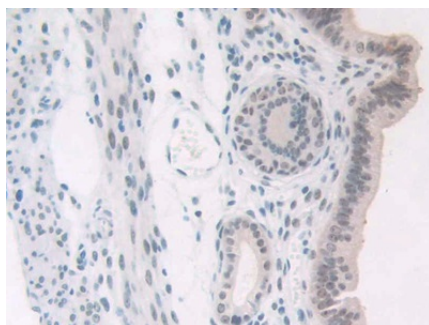
DAB staining on IHC-P; Samples: Mouse Stomach Tissue; Primary Ab: 30µg/ml Rabbit Anti-Mouse NPM Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



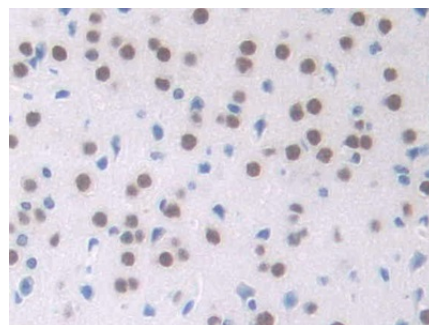
DAB staining on IHC-P; Samples: Mouse Small intestine Tissue; Primary Ab: 30µg/ml Rabbit Anti-Mouse NPM Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



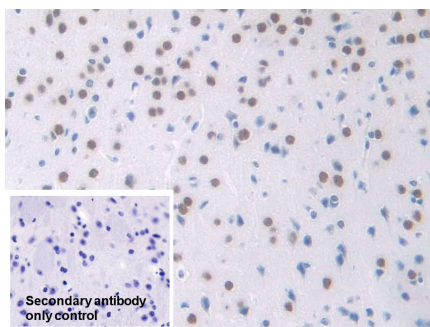
DAB staining on IHC-P; Samples: Mouse Pancreas Tissue; Primary Ab: 30µg/ml Rabbit Anti-Mouse NPM Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



DAB staining on IHC-P; Samples: Mouse Uterus Tissue; Primary Ab: 30µg/ml Rabbit Anti-Mouse NPM Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



DAB staining on IHC-P; Samples: Mouse Cerebrum Tissue; Primary Ab: 30µg/ml Rabbit Anti-Mouse NPM Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



DAB staining on IHC-P;

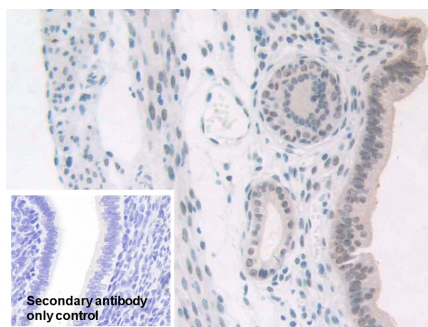
Sample: Mouse Cerebrum Tissue

Primary Ab: 30µg/ml Rabbit Anti-Mouse NPM1 Antibody

Control: Used PBS instead of primary antibody

Second Ab: 2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)



DAB staining on IHC-P;

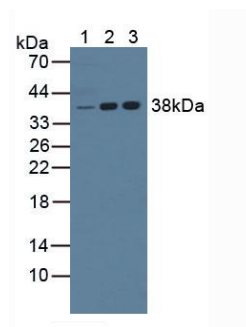
Sample: Mouse Uterus Tissue

Primary Ab: 30µg/ml Rabbit Anti-Mouse NPM1 Antibody

Control: Used PBS instead of primary antibody

Second Ab: 2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)



Western Blot; Sample: Lane1: Mouse

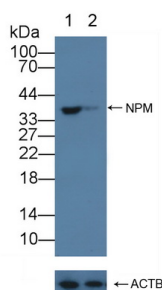
Liver lysate; Lane2: Jurkat cell lysate;

Lane3: K562 cell lysate

Primary Ab: 1µg/ml Rabbit Anti-Mouse NPM Antibody

Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)



Knockout Varification:

Lane 1: Wild-type Jurkat cell lysate;

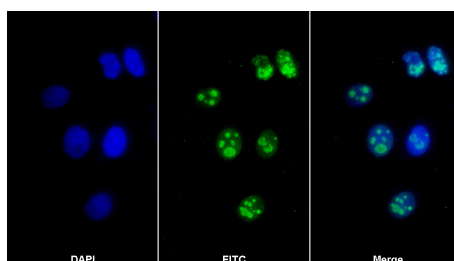
Lane 2: NPM knockout Jurkat cell lysate;

Predicted MW: 33kd

Observed MW: 38kd

Primary Ab: 1µg/ml Rabbit Anti-Mouse NPM Antibody

Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody



FITC staining on IF;

Sample: MCF7 cell

Primary Ab: 7µg/ml Rabbit Anti-Mouse NPM1 Antibody

Second Ab: 2µg/ml FITC-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb11)

(Catalog: SAA544Rb19)

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.