Cloud-Clone Corp.

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)

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[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: 0.5-2µg/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 4ºC for frequent use.

Aliquot and store at -20ºC 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]

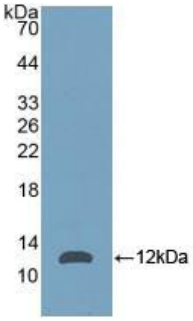
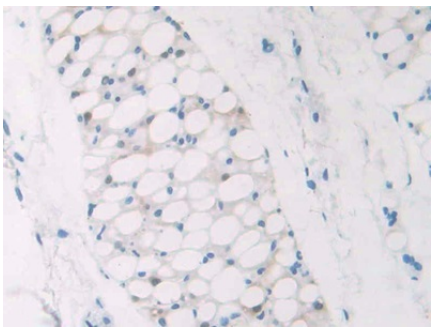
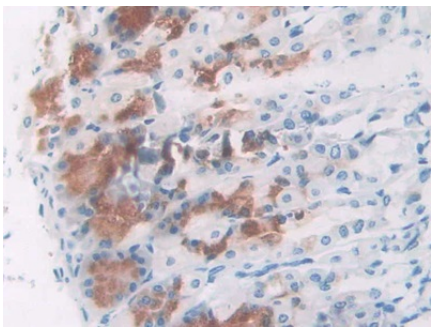


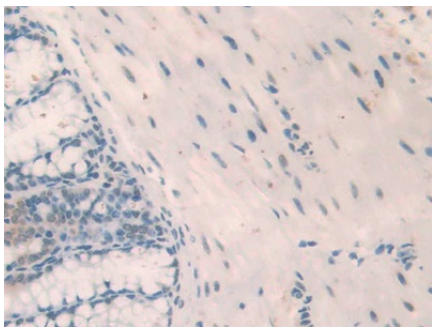
Figure. Western Blot; Sample: Recombinant NPM, Mouse.



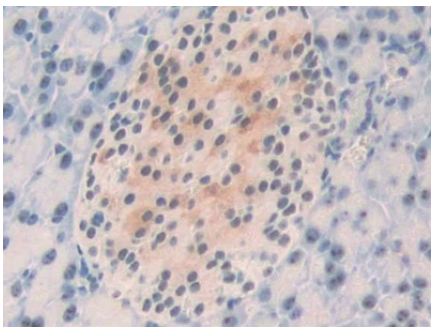
DAB staining on IHC-P; Samples: Mouse Adipose tissue Tissue; Primary Ab: 30µg/ml Rabbit Anti-Mouse NPM Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



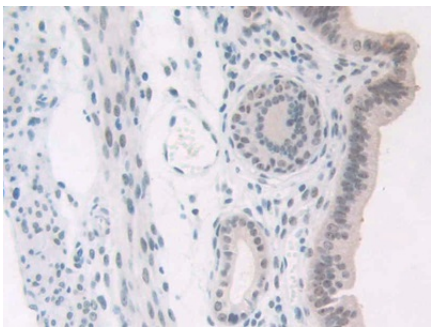
DAB staining on IHC-P; Samples: Mouse Stomach Tissue; Primary Ab: 30µg/ml Rabbit Anti-Mouse NPM Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



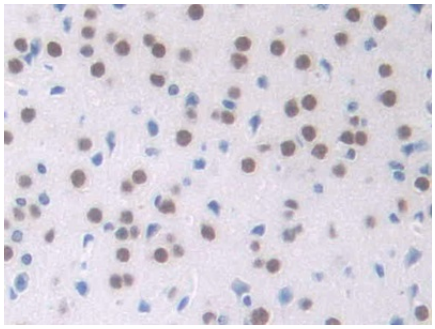
DAB staining on IHC-P; Samples: Mouse Small intestine Tissue; Primary Ab: 30µg/ml Rabbit Anti-Mouse NPM Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



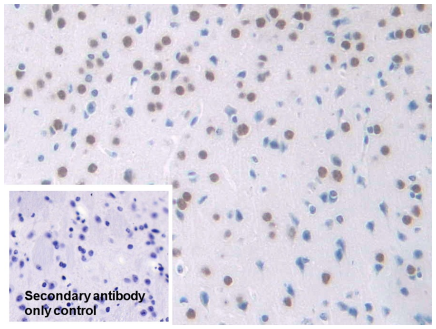
DAB staining on IHC-P; Samples: Mouse Pancreas Tissue; Primary Ab: 30µg/ml Rabbit Anti-Mouse NPM Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



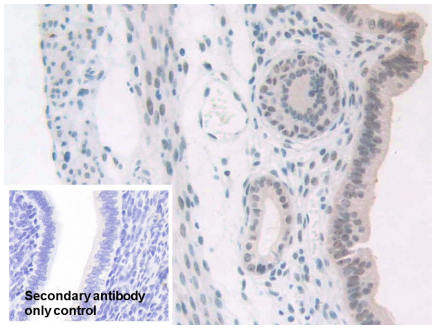
DAB staining on IHC-P; Samples: Mouse Uterus Tissue; Primary Ab: 30µg/ml Rabbit Anti-Mouse NPM Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



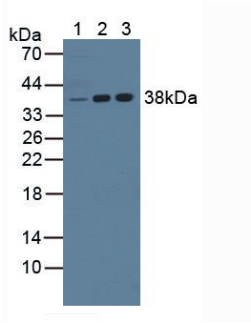
DAB staining on IHC-P;
Samples: Mouse Cerebrum Tissue;
Primary Ab: 30μg/ml Rabbit Anti-Mouse NPM Antibody
Second Ab: 2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



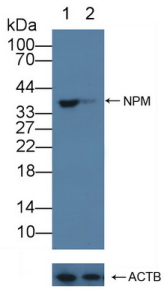
DAB staining on IHC-P;
Sample: Mouse Cerebrum Tissue
Primary Ab: 30μg/ml Rabbit Anti-Mouse NPM1 Antibody
Control: Used PBS instead of primary antibody
Second Ab: 2μg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



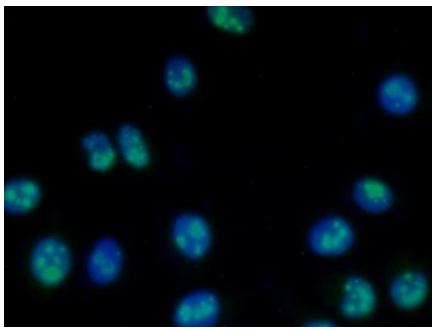
DAB staining on IHC-P;
Sample: Mouse Uterus Tissue
Primary Ab: 30μg/ml Rabbit Anti-Mouse NPM1 Antibody
Control: Used PBS instead of primary antibody
Second Ab: 2μg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



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)

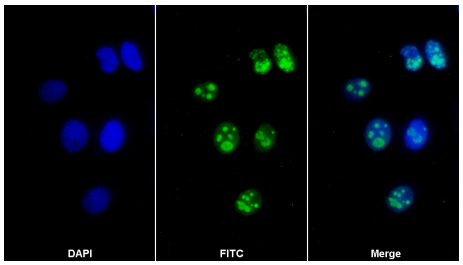


Knockout Varification:
Lane 1: Wild-type Jurkat cell lysate;
Lane 2: NPM knockout Jurkat cell lysate;
Predicted MW: 33kd
Observed MW: 38kd
Primary Ab: 1μg/ml Rabbit Anti-Mouse NPM Antibody
Second Ab: 0.2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody



FITC staining on IF;
Samples: Human MCF7 Cells;
Primary Ab: 10μg/ml Rabbit Anti-Mouse NPM Antibody
Second Ab: 1μg/ml FITC-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb18)

(Catalog: SAA544Rb19)



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)

[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.