

PAA399Mu01

Polyclonal Antibody to High Mobility Group Protein 1 (HMGB1)

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 HMGB1 (Met1~Glu215) expressed in *E.coli*

Accession No.: RPA399Mu01

[APPLICATIONS]

Western blotting: 0.01-2μg/mL;

Immunohistochemistry: 5-20μg/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.

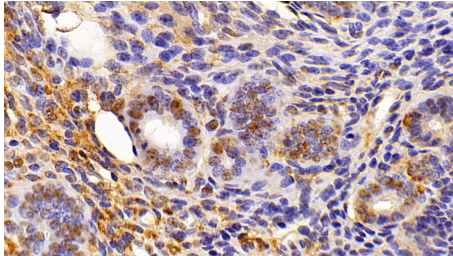
Store at 4°C for frequent use.

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

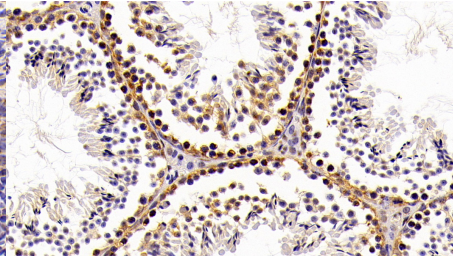
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

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

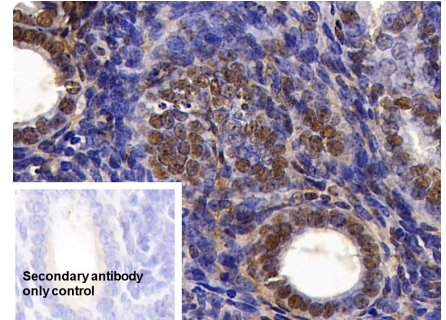
[IDENTIFICATION]



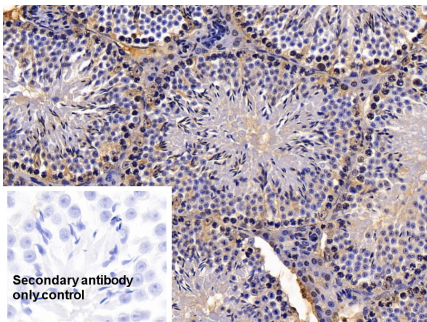
DAB staining on IHC-P; Samples:
Mouse Uterus Tissue; Primary Ab:
10 μ g/ml Rabbit Anti-Mouse HMG1
Antibody Second Ab: 2 μ g/mL HRP-
Linked Caprine Anti-Rabbit IgG
Polyclonal Antibody (Catalog:
SAA544Rb19)



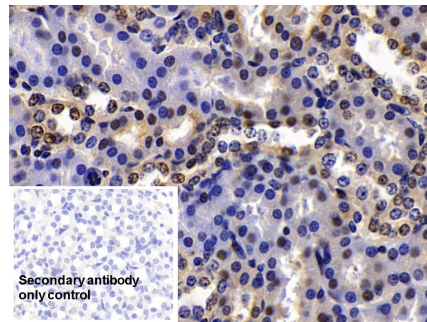
DAB staining on IHC-P;
Samples: Mouse Testis Tissue;
Primary Ab: 10 μ g/ml Rabbit Anti-Mouse
HMG1 Antibody
Second Ab: 2 μ g/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



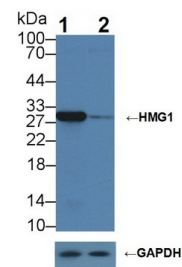
DAB staining on IHC-P;
Sample: Mouse Uterus Tissue
Primary Ab: 10 μ g/ml Rabbit Anti-Mouse
HMGB1 Antibody
Control: Used PBS instead of primary
antibody
Second Ab: 2 μ g/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



DAB staining on IHC-P;
Sample: Mouse Testis Tissue
Primary Ab: 10 μ g/ml Rabbit Anti-Mouse
HMGB1 Antibody
Control: Used PBS instead of primary
antibody
Second Ab: 2 μ g/ml HRP-Linked



DAB staining on IHC-P;
Sample: Mouse Kidney Tissue
Primary Ab: 10 μ g/ml Rabbit Anti-Mouse
HMGB1 Antibody
Control: Used PBS instead of primary
antibody
Second Ab: 2 μ g/ml HRP-Linked

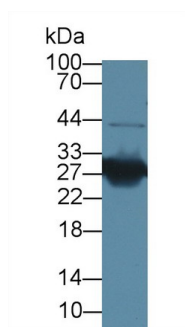


Knockout Varification:
Lane 1: Wild-type HepG2 cell lysate;
Lane 2: HMG1 knockout HepG2 cell
lysate;
Predicted MW: 25kDa
Observed MW: 30kDa
Primary Ab: 1 μ g/ml Rabbit Anti-Mouse

Caprine Anti-Rabbit IgG Polyclonal

Antibody

(Catalog: SAA544Rb19)



Western Blot; Sample: Mouse Kidney lysate;

Primary Ab: 1µg/ml Rabbit Anti-Mouse

HMG1 Antibody

Second Ab: 0.2µg/mL HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal

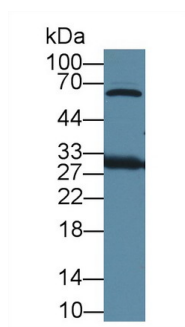
Antibody

(Catalog: SAA544Rb19)

Caprine Anti-Rabbit IgG Polyclonal

Antibody

(Catalog: SAA544Rb19)



Western Blot; Sample: Mouse Cerebrum lysate;

Primary Ab: 1µg/ml Rabbit Anti-Mouse

HMG1 Antibody

Second Ab: 0.2µg/mL HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal

Antibody

(Catalog: SAA544Rb19)

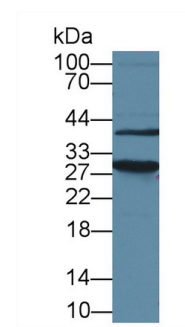
HMG1 Antibody

Second Ab: 0.2µg/mL HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal

Antibody

(Catalog: SAA544Rb19)



Western Blot; Sample: Human HepG2 cell lysate;

Primary Ab: 1µg/ml Rabbit Anti-Mouse

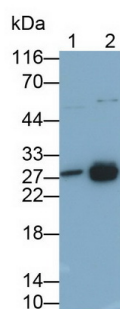
HMG1 Antibody

Second Ab: 0.2µg/mL HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal

Antibody

(Catalog: SAA544Rb19)



Western Blot; Sample: Lane1: Hela cell lysate; Lane2: Jurkat cell lysate

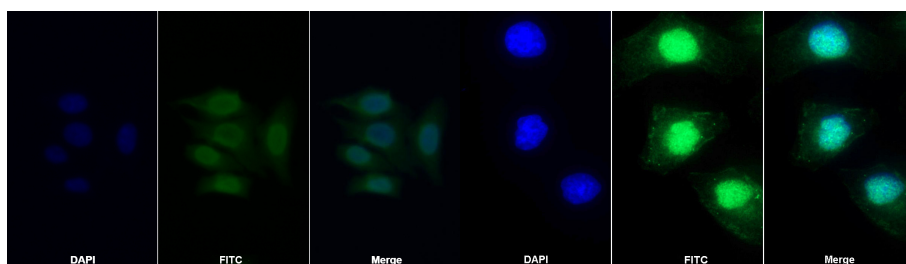
Primary Ab: 0.5µg/ml Rabbit Anti-Mouse HMGB1 Antibody

Second Ab: 0.2µg/mL HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal

Antibody

(Catalog: SAA544Rb19)



FITC staining on IF;

Samples: Human HepG2 cell;

Primary Ab: 20µg/ml Rabbit Anti-Mouse

HMG1 Antibody

Second Ab: 1.5µg/mL FITC-Linked

Caprine Anti-Rabbit IgG Polyclonal

Antibody

(Catalog: SAA544Rb18)

FITC staining on IF; Sample: HeLa

cell Primary Ab: 20µg/ml Rabbit Anti-

Mouse HMGB1 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.