

PAA399Ra01

Polyclonal Antibody to High Mobility Group Protein 1 (HMGB1)

Organism Species: *Rattus norvegicus* (Rat)

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: 10µL

Cross Reactivity: Human;Mouse

Applications: WB; IHC

[IMMUNOGEN]

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

Accession No.: RPA399Ra01

[APPLICATIONS]

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 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.

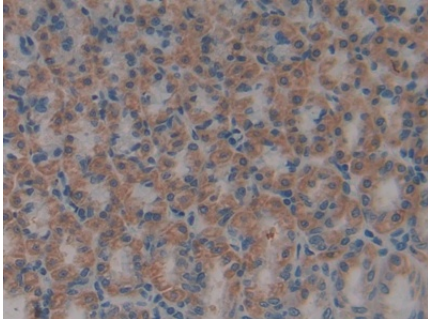
Store at 4°C for frequent use.

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

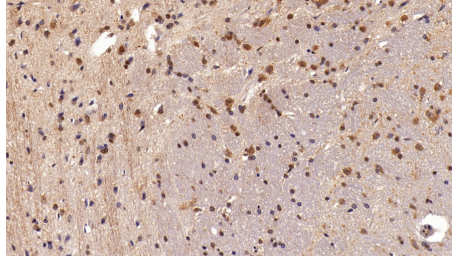
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the

expiration date under appropriate storage condition.

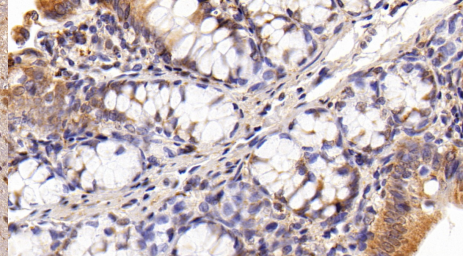
[IDENTIFICATION]



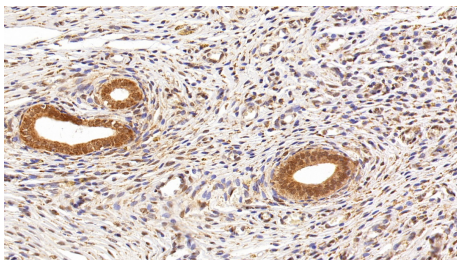
DAB staining on IHC-P; Samples: Rat Stomach Tissue; Primary Ab: 10 μ g/ml Rabbit Anti-Rat HMGB1 Antibody
Second Ab: 2 μ g/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



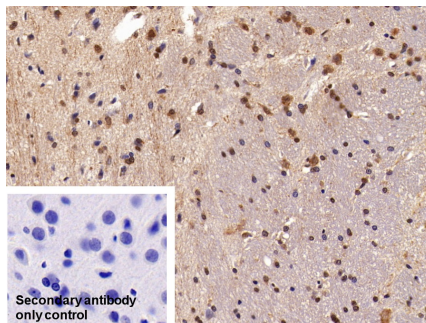
DAB staining on IHC-P;
Sample: Rat Cerebrum Tissue;
Primary Ab: 20 μ g/ml Rabbit Anti-Rat HMGB1 Antibody
Second Ab: 2 μ g/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



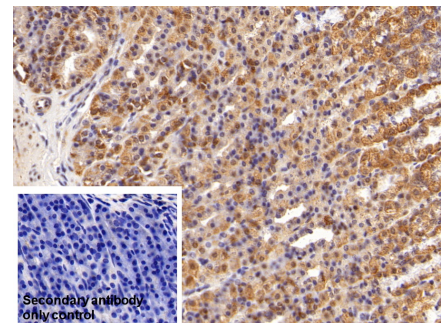
DAB staining on IHC-P;
Sample: Rat Colon Tissue;
Primary Ab: 20 μ g/ml Rabbit Anti-Rat HMGB1 Antibody
Second Ab: 2 μ g/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



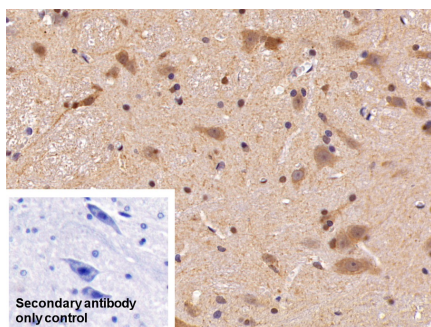
DAB staining on IHC-P;
Sample: Rat Uterus Tissue;
Primary Ab: 20 μ g/ml Rabbit Anti-Rat HMGB1 Antibody
Second Ab: 2 μ g/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



DAB staining on IHC-P;
Sample: Rat Cerebrum Tissue
Primary Ab: 20 μ g/ml Rabbit Anti-Rat 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: Rat Stomach Tissue
Primary Ab: 20 μ g/ml Rabbit Anti-Rat 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: Rat Spinal cord Tissue

Primary Ab: 20µg/ml Rabbit Anti-Rat

HMGB1 Antibody

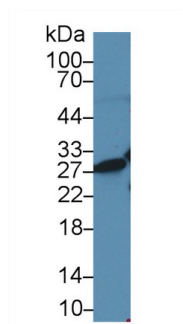
Control: Used PBS instead of primary antibody

Second Ab: 2µg/ml HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal

Antibody

(Catalog: SAA544Rb19)



Western Blot; Sample: Human Jurkat cell lysate;

Primary Ab: 2µg/ml Rabbit Anti-Rat

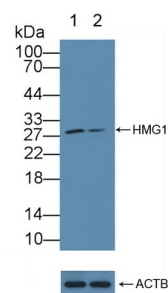
HMGB1 Antibody

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: HMGB1 knockout Jurkat cell lysate;

Predicted MW: 25kd

Observed MW: 28kd

Primary Ab: 2µg/ml Rabbit Anti-Rat

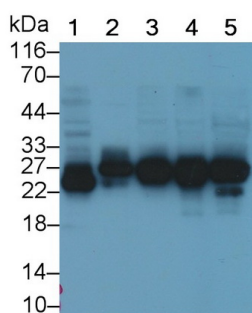
HMGB1 Antibody

Second Ab: 0.2µg/mL HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal

Antibody

(Catalog: SAA544Rb19)



Western Blot; Sample: Lane1: Rat Lung lysate; Lane2: Rat Cerebrum lysate;

Lane3: HeLa cell lysate; Lane4: HepG2

cell lysate; Lane5: A431 cell lysate

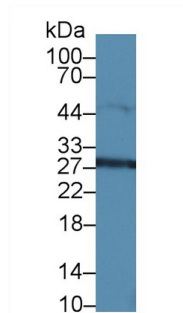
Primary Ab: 0.1µg/ml Rabbit Anti-Rat

HMGB1 Antibody

Second Ab: 0.2µg/mL HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal

Antibody



Primary Ab: 2µg/ml Rabbit Anti-Rat

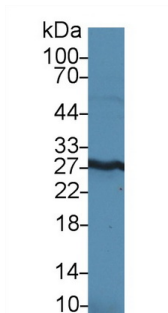
HMGB1 Antibody

Second Ab: 0.2µg/mL HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal

Antibody

(Catalog: SAA544Rb19)



Western Blot; Sample: Mouse Kidney lysate;

Primary Ab: 2µg/ml Rabbit Anti-Rat

HMGB1 Antibody

Second Ab: 0.2µg/mL HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal

Antibody

(Catalog: SAA544Rb19)

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[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.