

PAA399Hu01

Polyclonal Antibody to High Mobility Group Protein 1 (HMGB1)

Organism Species: *Homo sapiens (Human)*

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: 0.43mg/mL

UOM: 100μL

Cross Reactivity: Rat

Applications: WB; IHC; ICC/IF

[IMMUNOGEN]

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

Accession No.: RPA399Hu01

[APPLICATIONS]

Western blotting: 0.01-2μg/mL;

Immunohistochemistry: 5-20μg/mL;

Immunocytochemistry: 5-20μg/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN₃, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

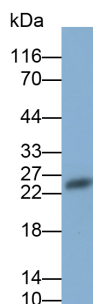
Store at 4°C for frequent use.

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

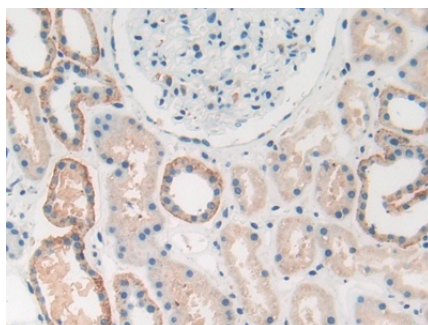
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

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

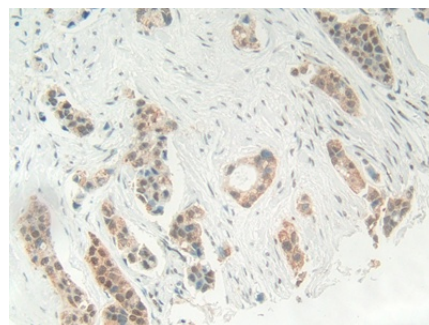
[IDENTIFICATION]



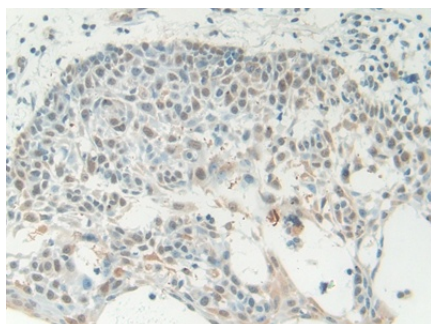
Western Blot; Sample: Rat Cerebrum lysate Primary Ab: 0.1µg/ml Rabbit Anti-Human HMGB1 Antibody Second Ab: 0.2?g/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



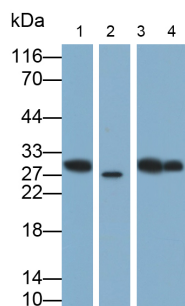
DAB staining on IHC-P; Samples: Human Kidney Tissue; Primary Ab: 10µg/ml Rabbit Anti-Human HMG1 Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



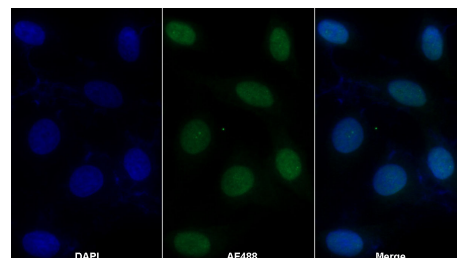
DAB staining on IHC-P; Samples: Human Breast cancer Tissue; Primary Ab: 10µg/ml Rabbit Anti-Human HMGB1 Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



DAB staining on IHC-P; Samples: Human Skin cancer Tissue; Primary Ab: 10µg/ml Rabbit Anti-Human HMGB1 Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



Western Blot; Samples: Lane1: SH-SY5Y cell lysate; Lane2: 293T cell lysate; Lane3: Jurkat cell lysate; Lane4: LO2 cell lysate; Primary Ab: 0.2µg/ml Rabbit Anti-Human HMGB1 Antibody Second Ab: 0.2?g/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody



AF488 staining on IF; Sample: HeLa cell Primary Ab: 20µg/ml Rabbit Anti-Human HMGB1 Antibody Second Ab: 2?g/ml AF488-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.