



CAB081Hu22

Anti-Heat Shock 70kDa Protein 1A (HSPA1A) Monoclonal Antibody

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: Monoclonal antibody preparation

Host: Mouse

Purification: Protein A+G Affinity Chromatography.

Traits: Liquid

Concentration: 1mg/mL

UOM: 100µL

Applications: WB; IHC; ICC/IF.

[IMMUNOGEN]

Immunogen: Recombinant HSPA1A (Asp285~Asp641) expressed in *E.coli*.

Accession No.: RPB081Hu02

[ORGANISM SPECIES MORE]

React with: Cavia;Rabbit;Canine;Bovine

Other species have not been detected.

[APPLICATIONS]

Western blotting: 0.01-5µg/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.

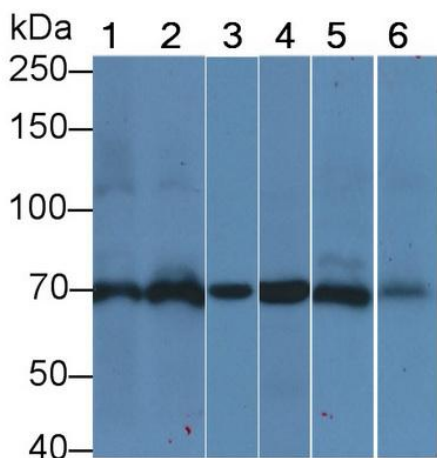
Store at 4°C for frequent use.

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.

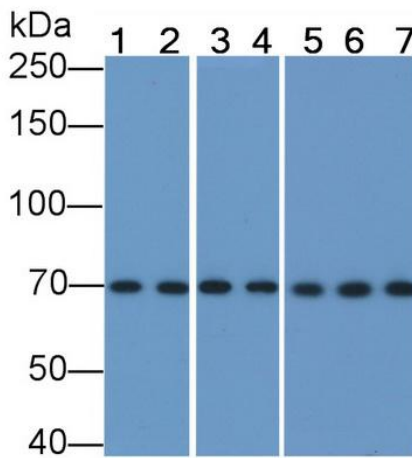
[IDENTIFICATION]



Western Blot; Sample: Lane1: Bovine Liver lysate; Lane2: Bovine Cerebrum lysate; Lane3: Canine Cerebrum lysate; Lane4: Caprine Cerebrum lysate; Lane5: Rabbit Liver lysate; Lane6: Cavia Liver lysate

Primary Ab: 1 µg/ml Mouse Anti-Human HSPA1A Antibody

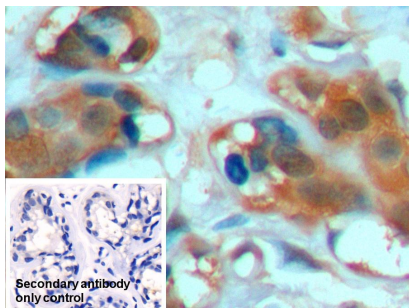
Second Ab: 0.2 µg/mL HRP-Linked Rabbit Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19) Selected



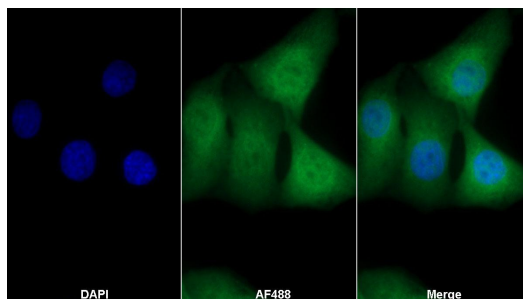
Western Blot; Sample: Lane1: Cavia Liver lysate; Lane2: Cavia Cerebrum lysate; Lane3: Canine Liver lysate; Lane4: Canine Cerebrum lysate; Lane5: Bovine Liver lysate; Lane6: Bovine Cerebrum lysate; Lane7: Rabbit Liver lysate

Primary Ab: 1 µg/ml Mouse Anti-Human HSPA1A Antibody

Second Ab: 0.2 µg/mL HRP-Linked Rabbit Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19) Selected



DAB staining on IHC-P;
 Sample: Human Breast cancer Tissue;
 Primary Ab: 10 μ g/ml Mouse Anti-Human
 HSPA1A Antibody
 Second Ab: 2 μ g/mL HRP-Linked
 Caprine Anti-Mouse IgG Polyclonal
 Antibody
 (Catalog: SAA544Mu19)
 Secondary antibody only control:
 Used PBS instead of primary
 antibody , Second Ab:
 2 μ g/mL HRP-Linked Caprine
 Anti-Mouse IgG Polyclonal Antibody
 (Catalog: SAA544Mu19)



AF488 staining on IF;
 Sample: HeLa cell
 Primary Ab: 20 μ g/ml Mouse Anti-Human HSPA1A
 Antibody
 Second Ab: 2 μ g/ml AF488-Linked Caprine
 Anti-Mouse IgG Polyclonal Antibody
 (Catalog: SAA544Mu11)

[Important Note]

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