

PAB081Hu01

Polyclonal Antibody to Heat Shock 70kDa Protein 1A (HSPA1A)

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: 0.5mg/mL

UOM: 100µL

Cross Reactivity: Mouse; Rat; Cavia; Canine; Porcine; Bovine; Goat; Equine; Gallus

Applications: WB; IHC; ICC; IP; FCM

[IMMUNOGEN]

Immunogen: Recombinant HSPA1A (Met1~Asp641) expressed in *E.coli*

Accession No.: RPB081Hu01

[APPLICATIONS]

Western blotting: 0.01-2?g/mL;

Immunohistochemistry: 5-20?g/mL;

Immunocytochemistry: 5-20?g/mL;

Flow cytometry:20?g/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.

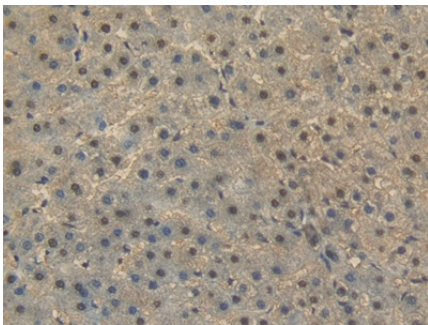
Store at 4°C for frequent use.

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

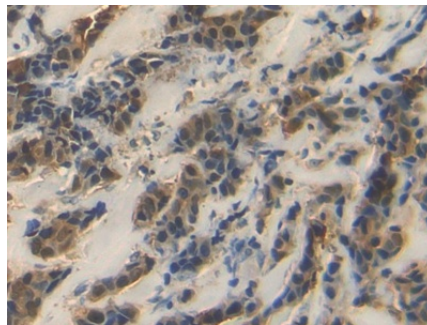
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined

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.

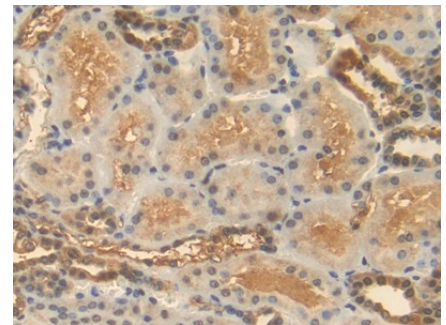
[IDENTIFICATION]



DAB staining on IHC-P; Samples: Human Liver Tissue; Primary Ab: 20µg/ml Rabbit Anti-Human HSPA1A 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: 20µg/ml Rabbit Anti-Human HSPA1A Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



DAB staining on IHC-P; Samples: Human Kidney Tissue; Primary Ab: 20µg/ml Rabbit Anti-Human HSPA1A Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)

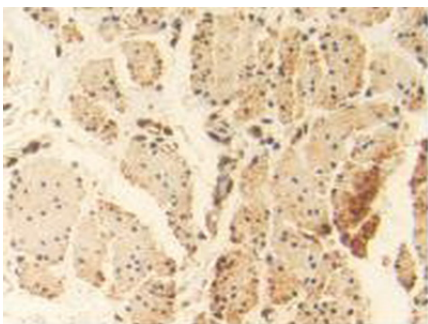
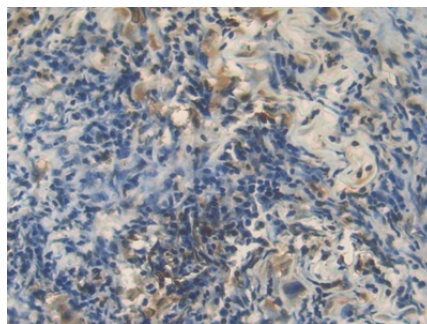
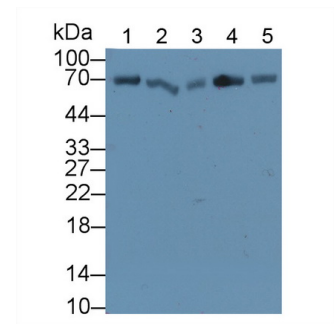


Figure. DAB staining on IHC-P; Samples: Human Esophagus Cancer Tissue.



DAB staining on IHC-P; Samples: Human Lung cancer Tissue; Primary Ab: 20µg/ml Rabbit Anti-Human HSPA1A Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



Western Blot; Sample: Lane1: Rat Liver lysate; Lane2: Rat Cerebrum lysate; Lane3: Rat Heart lysate; Lane4: Mouse Liver lysate; Lane5: Mouse Cerebrum lysate Primary Ab: 1µg/mL Rabbit Anti-Human HSPA1A Ab Second Ab: 0.2µg/mL HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)

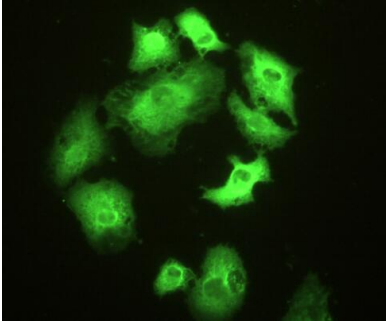
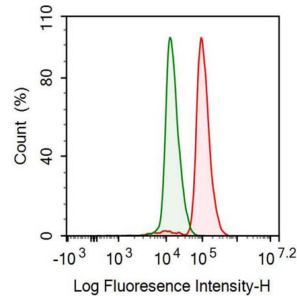


Figure: FITC staining on IHC-P;
Sample: A549 cells.



Human Hela cell was fixed with 2% paraformaldehyde (10 min) , permeabilised with 0.1% BSA-Triton X-100, then stained with 20µg/ml rabbit Anti-human HSPA1A Polyclonal Antibody (Catalog PAB081Hu01, red histogram) or Isotype control antibody (Catalog IS067-Rb01, green histogram), followed by 1µg/ml FITC-conjugated Anti-rabbit IgG Secondary Antibody (Catalog SAA544Rb18).

[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.