

CAB081Hu01**Anti-Heat Shock 70kDa Protein 1A (HSPA1A) Polyclonal Antibody****Organism Species: Homo sapiens (Human)*****Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

11th Edition (Revised in May, 2016)

[PROPERTIES]**Source:** Polyclonal antibody preparation**Host:** Rabbit**Purification:** Antigen-specific Affinity Chromatography**Traits:** Liquid**Concentration:** 200µg/mL**UOM:** 100µg**Applications:** WB**[IMMUNOGEN]****Immunogen:** RPB081Hu01-Recombinant Heat Shock 70kDa Protein 1A (HSPA1A)**[ORGANISM SPECIES MORE]****React with:** Human, mouse, rat, bovine, porcine, rabbit;

Other species have not been detected.

[APPLICATIONS]

Western blotting: 0.5-2ug/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.

[QUALITY CONTROL]

Content: The quality control contains recombinant HSPA1A disposed in loading buffer.

Usage: 10uL per well when 3,3'-Diaminobenzidine(DAB) as the substrate.
5uL per well when used in enhanced chemiluminescent (ECL).

Note: The quality control is specifically manufactured as the positive control. Not used for other purposes.

Loading Buffer: 100mM Tris(pH6.8), 1% SDS, 150mM NaCl, 50% glycerol, 0.02% BPB, 50mM DTT and 0.02% NaN₃.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 4°C for frequent use.

Aliquot and store at -20°C for 12 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]

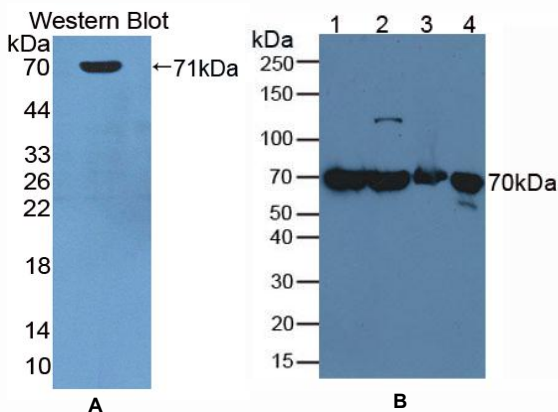


Figure 1. Western Blot

A. Sample: Recombinant HSPA1A, Human

B. Lane1: Porcine Liver Tissue

Lane2: Porcine Brain Tissue

Lane3: Mouse Liver Tissue

Lane4: Human A549 Cells

Primary Ab: 3µg/mL Rabbit Anti-Human HSPA1A Ab

Second Ab: 1:2000 Dilution of HRP-Linked Guinea pig Anti-Rabbit Ab (Catalog: SAA544Rb59)

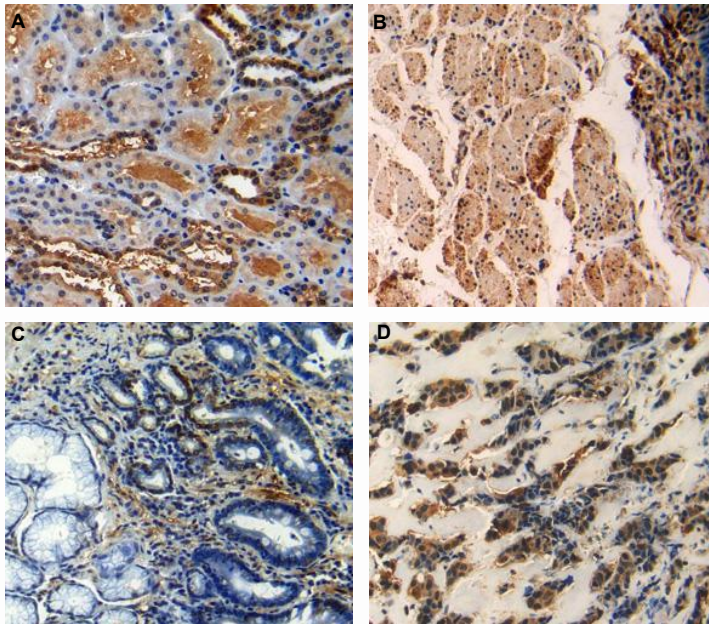


Figure 2. DAB staining on IHC-P

Samples:

- A. Human Kidney Tissue**
- B. Human esophagus Cancer Tissue**
- C. Human Stomach Tissue**
- D. Human Breast Cancer Tissue**