

## HSPA1B

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC ICC IF FC

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200 ICC 1:50 - 1:200 IF 1:50 - 1:100  
FC 1:10 - 1:50

**Calculated MW:** 70 kDa

**Observed MW:** Refer to figures

**Immunogen:**

Recombinant protein of human HSPA1B

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

HSP70-2; HSP70.2; HSP70-1B;

**Catalog #:** A10897

**Antibody Type:**

Monoclonal Antibody

**Species:** Rabbit

**Gene ID:** 3304

**Isotype:** IgG

**Swiss Prot:** P0DMV9

**Purity:** Affinity purification

For research use only.

**Background:**

This intronless gene encodes a 70kDa heat shock protein which is a member of the heat shock protein 70 family. In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. It is also involved in the ubiquitin-proteasome pathway through interaction with the AU-rich element RNA-binding protein 1. The gene is located in the major histocompatibility complex class III region, in a cluster with two closely related genes which encode similar proteins.

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