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HSP70/HSPA1 Mouse mAb

Catalog No.: A1507 1 Publications

Basic Information

Observed MW
70kDa

Calculated MW
70kDa

Category
Primary antibody

Applications
ELISA,WB

Cross-Reactivity
Human, Mouse

CloneNo number
AMC0525

Background

This intronless gene encodes a 70kDa heat shock protein which is a member of the heat shock protein 70 family. In conjuction 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.

Recommended Dilutions

WB	1:2000 - 1:5000

Immunogen Information

Gene ID
3303

Swiss Prot
P0DMV8

Immunogen
A synthetic peptide of human HSP70/HSPA1

Synonyms
HSP70; HSP72; HSPA1; HSP70I; HSP70-1; HSP70-2; HSP70.1; HSP70.2; HSP70-1A; HEL-S-103; HSP70/HSPA1

Contact

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Product Information

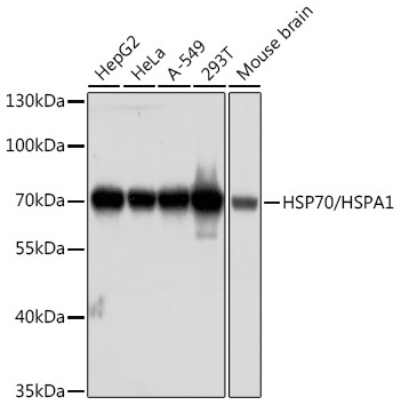
Source
Mouse

Isotype
IgM,Kappa

Purification
Affinity purification

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

Validation Data



Western blot analysis of extracts of various cell lines, using HSP70/HSPA1 antibody (A1507) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.