

HSP70 Rabbit mAb

Catalog No.: A21180

Recombinant

2 Publications

Basic Information

Observed MW

70kDa

Calculated MW

70kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC53087

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. [provided by RefSeq, Jul 2008]

Recommended Dilutions

WB 1:1000 - 1:5000**IHC-P** 1:100 - 1:500

Immunogen Information

Gene ID

3303/3304

Swiss Prot

P0DMV8

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 500-600 of human HSP70 (NP_005336.3).

Synonyms

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

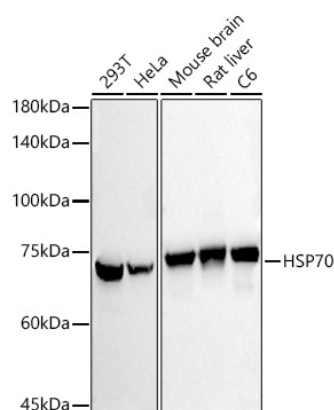
Affinity purification

Storage

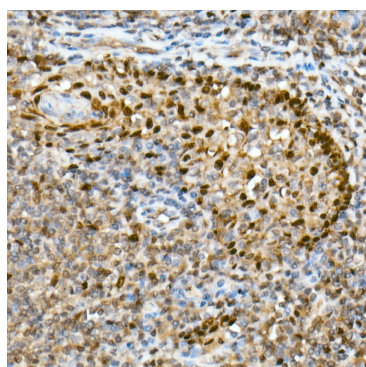
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

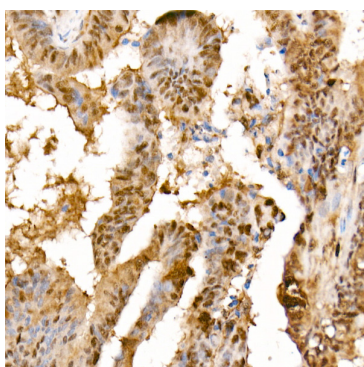
Validation Data



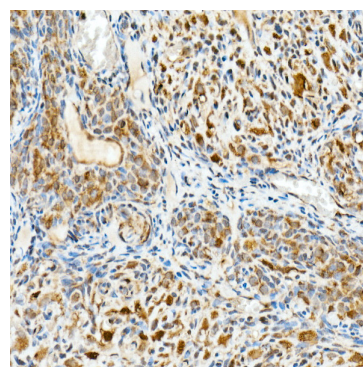
Western blot analysis of various lysates using HSP70 Rabbit mAb (A21180) at 1:2000 dilution.
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 5s.



Immunohistochemistry analysis of HSP70 in paraffin-embedded Human tonsil using HSP70 Rabbit mAb (A21180) at dilution of 1:300(40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of HSP70 in paraffin-embedded Human colon carcinoma using HSP70 Rabbit mAb (A21180) at dilution of 1:300(40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of HSP70 in paraffin-embedded Rat ovary using HSP70 Rabbit mAb (A21180) at dilution of 1:300(40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.