Anti-Hsp70 Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

Catalog # M016245

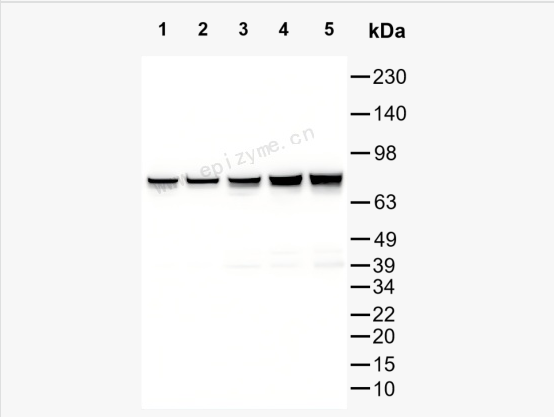
Product Information

Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000
Host	Mouse
Clonality	Monoclonal
Clone No.	42P64M96
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein corresponding to Human Hsp70
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20℃. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20℃ storage.
Precautions	Anti-Hsp70 Mouse mAb [42P64M96] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	HSP72; HSPA1; HSP70I; HSPA1A; HSPA1B; HSP70 1; HSP70 2; HSP70-2; HSP70.1; FLJ54303; FLJ54370; FLJ54392; FLJ54408; FLJ75127.
Calculated MW	Calculated MW: 70 kDa; Observed MW: 70 kDa
Uniprot ID	P0DMV8
Gene ID	3303
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. [provided by RefSeq, Jul 2008]
Cellular Location	Cytoplasm; Nucleus; Cytoplasm, cytoskeleton, microtubule organizing center, centrosome; Secreted.
Tissue Location	Induced by heat shock. (表达受热休克诱导；广泛存在，应激时上调)

Validation Images



Western Blot - Anti-Hsp70 Mouse mAb [42P64M96]
All lanes: M016245 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: MCF-7 (Human breast adenocarcinoma epithelial cell) whole cell lysates
Lane 5: 293T (Human embryonic kidney cell) whole cell lysates
Secondary antibody: Goat Anti-Mouse IgG (H+L), HRP Conjugated (Cat. No. LF101) at 1:5,000 dilution
Lysates/proteins at 10 µg per lane.
Predicted band size: 70 kDa
Observed band size: 70 kDa
Developed using the ECL technique (Cat. No. SQ201).