10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Hsp70 (C-terminus) Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52677

Product Information

Application	WB, IP
Primary Accession	P08107
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Calculated MW	70 KDa

Additional Information

Other Names	DAQB 147D11.1 001;FLJ54303;FLJ54370;FLJ54392;FLJ54408;FLJ75127;Heat shock 70 kDa protein 1;Heat shock 70 kDa protein 1/2;Heat shock 70 kDa protein 1A/1B;heat shock 70kDa protein 1A;Heat shock 70kDa protein 1B;Heat shock induced protein;heat shock protein 70;HSP70 1;HSP70 2;HSP70-1/HSP70-2;HSP70-1A;HSP70.1;HSP70.1/HSP70.2;HSP70I;HSP71_HUMAN;HSP72;HSPA1;HSPA1A;HSPA1B;XXbac BCX40G17.3 001.
Dilution	WB~~1:1000 IP~~1:500
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Background

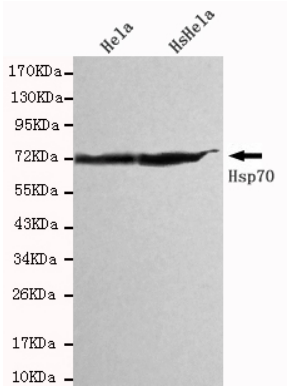
In cooperation with other chaperones, Hsp70s stabilize preexistent proteins against aggregation and mediate the folding of newly translated polypeptides in the cytosol as well as within organelles. These chaperones participate in all these processes through their ability to recognize nonnative conformations of other proteins. They bind extended peptide segments with a net hydrophobic character exposed by polypeptides during translation and membrane translocation, or following stress-induced damage. In case of rotavirus A infection, serves as a post-attachment receptor for the virus to facilitate entry into the cell.

References

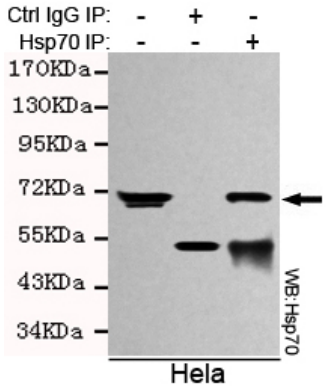
Milner C.M.,et al.Immunogenetics 32:242-251(1990).

Hunt C.,et al.Proc. Natl. Acad. Sci. U.S.A. 82:6455-6459(1985).
Xie T.,et al.Genome Res. 13:2621-2636(2003).
Shiina S.,et al.Submitted (SEP-1999) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).

Images



Western blot detection of Hsp70(C-terminus) in Hela and HsHela cell lysates using Hsp70(C-terminus) mouse mAb (1:1000 diluted).Predicted band size: 70KDa.Observed band size: 70KDa.



Immunoprecipitation analysis of Hela cell lysates using Hsp70 (C-terminus) mouse mAb.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.