

Hsp70 (N-terminus) Antibody

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AP52676

Product Information

| | |
|-------------------|------------------------|
| Application | WB, ICC |
| Primary Accession | P08107 |
| Reactivity | Human |
| Host | Mouse |
| Clonality | Monoclonal |
| Isotype | IgG1 |
| Calculated MW | 70 kDa |

Additional Information

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| 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 ICC~~1:300 |
| Format | Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.09% (W/V) sodium azide, 50%,glycerol |
| Storage | Store at -20 °C.Stable for 12 months from date of receipt |

Protein Information

Background

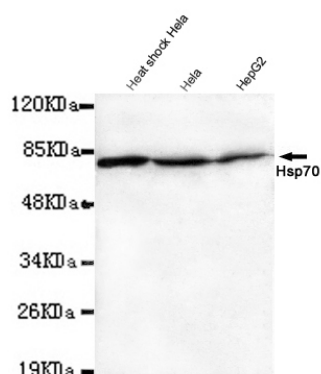
In cooperation with other chaperones, Hsp70s stabilize preexistent proteins against aggregation and mediate the folding of newly translated polypeptides in the cytosol as well as within organelles. These chaperones participate in all these processes through their ability to recognize nonnative conformations 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

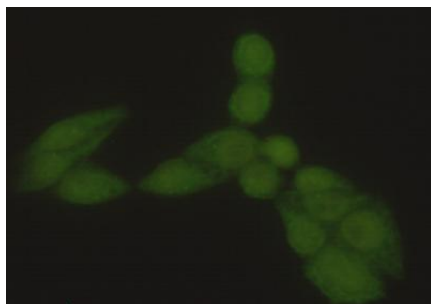
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Hunt C.,et al.Proc. Natl. Acad. Sci. U.S.A. 82:6455-6459(1985).

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(N-terminus) in Heat shock HeLa, HeLa and HepG2 lysates using Hsp70(N-terminus) mouse mAb (1:1000 diluted). Predicted band size: 70KDa. Observed band size: 70KDa.



Immunocytochemistry stain of HeLa using Hsp70 (N-terminus) mouse mAb (1:300).

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