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Hsp70 (N-terminus) Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52676

Specification

Hsp70 (N-terminus) Antibody - Product Information

Application	**WB, ICC**
Primary Accession	P08107
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**70 KDa**

Hsp70 (N-terminus) Antibody - 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
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

Hsp70 (N-terminus) Antibody - Protein Information

Hsp70 (N-terminus) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation

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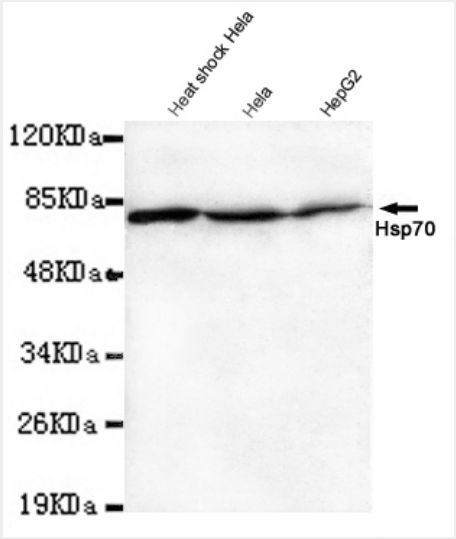
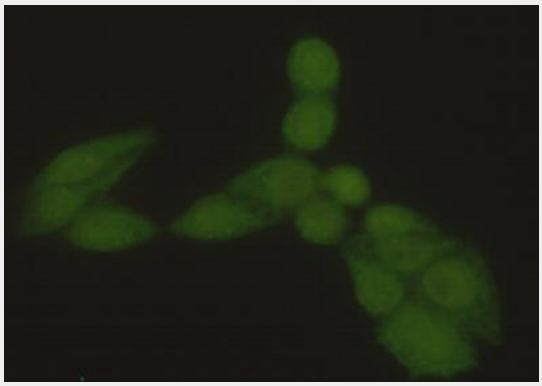
- Flow Cytomety
- Cell Culture

Hsp70 (N-terminus) Antibody - Images



Western blot detection of Hsp70(N-terminus) in Heat shcok 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).

Hsp70 (N-terminus) Antibody - 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.

Hsp70 (N-terminus) Antibody - 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).