

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

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**Hsp70 (N-terminus) Antibody - Product Information**

Application	WB, ICC
Primary Accession	<a href="#">P08107</a>
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

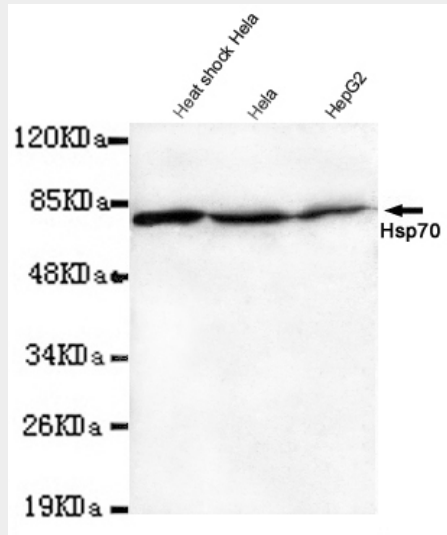
**Hsp70 (N-terminus) Antibody - Protein Information****Hsp70 (N-terminus) Antibody - Protocols**

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

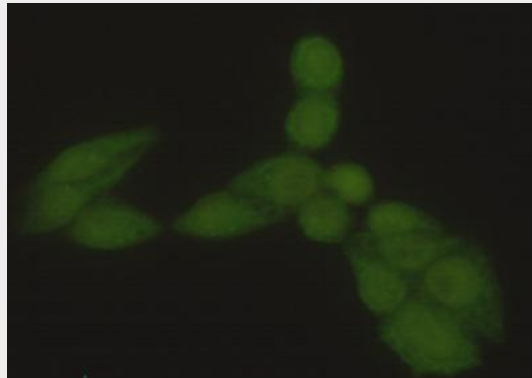
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

### Hsp70 (N-terminus) Antibody - 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).

### 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).