

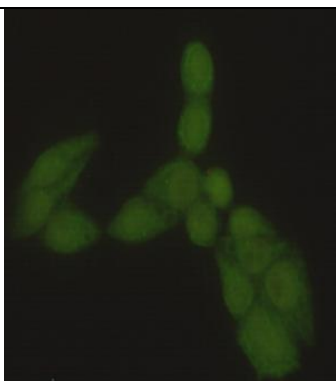


## Hsp70 (N-terminus) Antibody

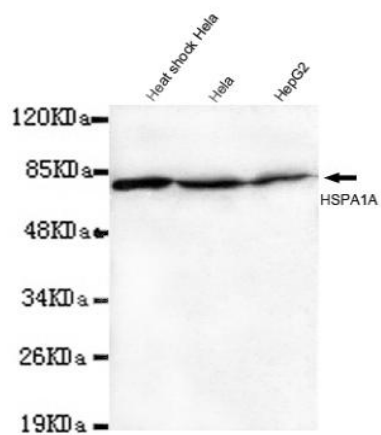
E2200303

<b>Catalog Number:</b>	E2200303
<b>Size:</b>	100ug
<b>Host:</b>	Mouse
<b>Formulation:</b>	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%,glycerol
<b>Sensitivity:</b>	This antibody detects endogenous levels Hsp70(N-terminus) and does not cross-react with related proteins.
<b>Entrez summary:</b>	This intronless gene encodes a 70kDa heat shock protein which is a member of the heat shock protein 70 family. In conjunction 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.
<b>UniPort summary</b>	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
<b>Function:</b>	
<b>Immunogen:</b>	Purified recombinant human Hsp70(N-terminus) protein fragments expressed in E.coli.
<b>Antibody Type:</b>	Monoclonal antibody
<b>Isotype:</b>	IgG1
<b>Purified method:</b>	Affinity purified
<b>Subcellular location:</b>	Cytoplasm
<b>Reactivity:</b>	H
<b>Applications:</b>	WB,ICC
<b>Molecular Weight:</b>	70kDa
<b>UniProt number:</b>	P08107
<b>GeneBank ID:</b>	NM_005345
<b>Gene symbol:</b>	HSP72; HSPA1; HSP70I; HSPA1B; HSP70-1; HSP70-1A
<b>Alternate names:</b>	HSP72; HSPA1; HSP70I; HSPA1B; HSP70-1; HSP70-1A

**For Research Use Only**



Immunocytochemistry stain of HeLa using HSPA1A antibody (1:300).



Western blot detection of Hsp70(N-terminus) antibody in Heat shock HeLa, HeLa & HepG2 lysates using Hsp70(N-terminus) antibody (1:1000 diluted). Predicted band size: 70 kDa. Observed band size: 70 kDa.