

Mouse anti-Human Hsp70 Monoclonal Antibody | anti-Hsp70 antibody

Hsp70 (HSPA1A) Antibody

CATALOG # AAA111284	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunocytochemistry, Western Blot
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PRODUCT SYNONYMS

Hsp70; Monoclonal Antibody; Hsp70 (HSPA1A) Antibody; HSP72; HSPA1; HSP70I; HSPA1B; HSP70-1; HSP70-1A; anti-Hsp70 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Specificity	This antibody detects endogenous levels Hsp70(N-terminus) and does not cross-react with related proteins.
Purity/Purification	Affinity purified
Form/Format	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol
Applicable Applications for anti-Hsp70 antibody	ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	Purified recombinant human Hsp70(N-terminus) protein fragments expressed in E Coli.
Cellular Localization	Cytoplasm

IMAGES



Application Data

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: 70KDa. Observed band size: 70KDa.



Application Data

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

ADDITIONAL INFORMATION

Related Product Information for anti-Hsp70 antibody	UniPort Summary Function: 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 Entrez Summary: 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.
Product Categories/Family for anti-Hsp70 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	147744565
NCBI GeneID	3304
NCBI Accession #	P08107.5
NCBI GenBank Nucleotide #	NM_005345
UniProt Accession #	P08107 ; P0DMV9
Molecular Weight	70kDa
NCBI Official Synonym Full Names	heat shock protein family A (Hsp70) member 1B
NCBI Official Symbol	HSPA1B
NCBI Official Synonym Symbols	HSP70-2; HSP70.2; HSP70-1B
NCBI Protein Information	heat shock 70 kDa protein 1B

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/hsp70-antibody-immunocytochemistry-western-blot-elisa/111284>