

Mouse HSPA1A Monoclonal Antibody | anti-HSPA1A antibody

HSPA1A antibody

CATALOG # AAA106192	HOST Mouse	APPLICATIONS Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay
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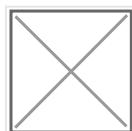
PRODUCT SYNONYMS

HSPA1A; Monoclonal Antibody; HSPA1A antibody; Monoclonal HSPA1A; Anti-HSPA1A; Hsp70; HSPA1; HSPA1B; HSP70; HSP70.1; HSP70-1/HSP70-2; Heat shock 70 kDa protein 1; heat shock 70kDa protein 1A; HSPAA 1; HSPAA-1; anti-HSPA1A antibody

PRODUCT SPECIFICATIONS

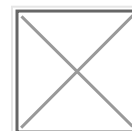
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	5F3
Purity/Purification	HSPA1A antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	641
Applicable Applications for anti-HSPA1A antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	HSPA1A is a human heat shock protein. Hsp70 is an important part of the cell's machinery for protein folding, and helps to protect cells from stress. In most species, there are many proteins that belong to the hsp70 family. Some of these are only expressed under stress conditions, while some are present in cells under normal growth conditions and are not heat-inducible. Hsp70 can be found in different cellular compartments (nuclear, cytosolic, mitochondrial, endoplasmic reticulum, etc...), and the chaperone function of hsp70 is required for protection against stress-induced apoptosis.
Cross-Reactivity	Human, Dog, Monkey
Immunogen	HSPA1A antibody was raised in mouse using a full length recombinant protein of human HSPA1A (NP_005336) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant HSPA1A protein using HSPA1A antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant HSPA1A protein (Right) or empty vector (Left) detected with HSPA1A antibody

ADDITIONAL INFORMATION

Related Product Information for anti-HSPA1A antibody	Mouse monoclonal HSPA1A antibody
Product Categories/Family for anti-HSPA1A antibody	Protein Modification & Stress Response

NCBI AND UNIPROT INFORMATION

NCBI GI #	194248072
NCBI GeneID	3303
NCBI Accession #	NP_005336
NCBI GenBank Nucleotide #	NM_005345.5
UniProt Accession #	P08107; P19790; Q5JQI4; Q5SP17; Q9UQL9; Q9UQM0; B4E3B6; P0DMV8
Molecular Weight	63,937 Da
NCBI Official Full Name	heat shock 70 kDa protein 1A/1B
NCBI Official Synonym Full Names	heat shock 70kDa protein 1A
NCBI Official Symbol	HSPA1A
NCBI Official Synonym Symbols	HSP72; HSPA1; HSP70I; HSP70-1; HSP70.1; HSP70-1A; HEL-S-103
NCBI Protein Information	heat shock 70 kDa protein 1A
UniProt Protein Name	Heat shock 70 kDa protein 1A
UniProt Gene Name	HSPA1A
UniProt Synonym Gene Names	HSPA1; HSX70; HSP70.1
UniProt Entry Name	HS71A_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/hspa1a-antibody-clone-5f3-western-blot-immunofluorescence-flow-cytometry-elisa/106192>