

Mouse HSPA1A Monoclonal Antibody | anti-HSPA1A antibody

HSPA1A Antibody

CATALOG # AAA283567	HOST Mouse	REACTIVITY Human (Predicted Reactivity: Bovine, Pig)	APPLICATIONS Immunofluorescence, ELISA, Western Blot
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PRODUCT SYNONYMS

HSPA1A; Monoclonal Antibody; HSPA1A Antibody; Heat shock 70 kDa protein 1A/1B; Heat shock 70 kDa protein 1/2; HSP70-1/HSP70-2; HSP701/HSP702; HSPA1; HSX70; anti-HSPA1A antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human (Predicted Reactivity: Bovine, Pig)
Clonality	Monoclonal
Isotype	IgG1,K
Clone Number	201CT8.2.3
Specificity	This HSPA1A antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 574-600 amino acids from human HSPA1A.
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	574-600
Sequence Length	641
Applicable Applications for anti-HSPA1A antibody	IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Confocal immunofluorescent analysis of HSPA1A Antibody with Hela cell followed by Alexa Fluor 488-conjugated goat anti-mouse IgG (green). DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)

HSPA1A antibody western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the HSPA1A antibody detected the HSPA1A protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-HSPA1A antibody	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-HSPA1A antibody	Cancer; Signal Transduction
References	Wang, Y., et al. Clin. Chem. Lab. Med. 48(11):1657-1663(2010) Eisenberg, D.P., et al. Surgery 148(2):325-334(2010) Rusai, K., et al. Transplant. Proc. 42(6):2309-2311(2010) Ebrahimi, M., et al. Mol. Vis. 16, 1680-1688 (2010) : Lanneau, D., et al. ScientificWorldJournal 10, 1543-1552 (2010) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	194248072
NCBI GeneID	3303
NCBI Accession #	NP_005336.3; NP_005337.2
NCBI GenBank Nucleotide #	NM_005345.5
UniProt Accession #	P08107; P19790; Q5JQI4; Q5SP17; Q9UQL9; Q9UQM0; B4E3B6; P0DMV8
Molecular Weight	70052
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-201ct8-2-3-immunofluorescence-western-blot-elisa/283567>