

Rabbit anti-Human HSPA1A Antibody | anti-HSPA1A antibody

Rabbit anti Human HSPA1A Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA173482	Rabbit	Human	ELISA, Immunofluorescence, Immunohistochemistry

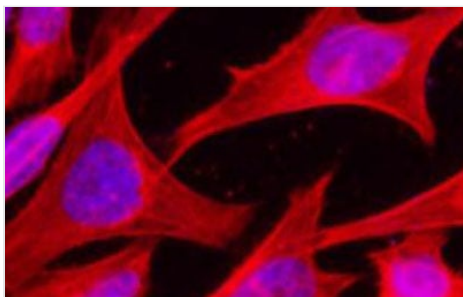
PRODUCT SYNONYMS

HSPA1A; Rabbit anti Human HSPA1A Monoclonal Antibody; HEL-S-103; HSP70-1; HSP70-1A; HSP70I; HSP72; HSPA1; anti-HSPA1A antibody

PRODUCT SPECIFICATIONS

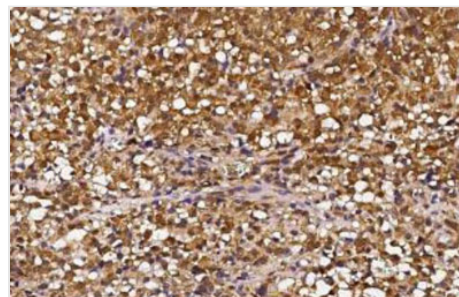
Host	Rabbit
Reactivity	Human
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	0.2 um filtered solution in PBS
Applicable Applications for anti-HSPA1A antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry)
Note	Centrifuge before opening to ensure complete recovery of vial contents.
Immunogen	Fusion protein of human HSPA1A
Preparation and Storage	Store at -20°C, Avoid freeze / thaw cycles

IMAGES



IF (Immunofluorescence)

Immunofluorescent analysis of HeLa cells using HSPA1A Monoclonal Antibody at dilution of 1:60



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human hepatoma tissue slide using HSPA1A Monoclonal Antibody at dilution of 1:1000.

ADDITIONAL INFORMATION

Related Product Information for anti-HSPA1A antibody	HSPA1A is a member of the Hsp7 protein family. The 7 kilodalton heat shock proteins (Hsp7s) are a family of ubiquitously expressed heat shock proteins. HSP are abundant and conserved proteins present in all cells. Upon temperature shock or other stress stimuli, HSP are synthesized intracellularly, which may protect cells from protein denaturation or from death. Extracellularly, HSP can serve a cytokine function to initiate both innate and adaptive immunity through activation of APC. HSP serves also a chaperone function and facilitates presentation of antigen peptide to T cells. Molecular chaperones of the Hsp7 family have diverse functions in cells. They assist the folding of newly synthesized and stress-denatured proteins, as well as the import of proteins into organelles, and the dissociation of aggregated proteins. The well-conserved Hsp7 chaperones are ATP dependent: binding and hydrolysis of ATP regulates their interactions with unfolded polypeptide substrates, and ATPase cycling is necessary for their function. All cellular functions of Hsp7 chaperones use the same mechanism of ATP-driven polypeptide binding and release.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	194248072
NCBI GeneID	3303
NCBI GenBank Nucleotide #	NM_005345.5
NCBI Official Full Name	heat shock 70 kDa protein 1A
NCBI Official Synonym Full Names	heat shock protein family A (Hsp70) member 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.