Rabbit HSP70/HSP72 Polyclonal Antibody | anti-HSP70/HSP72 antibody

HSP70/HSP72 polyclonal antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA76995	**Rabbit**	**Beluga, Bovine, Dog, Drosophila, Fish, Guinea Pig, Hamster, Human, Monkey, Mouse, Porcine, Rat, Sheep.**	**Western Blot, Immunoprecipitation, Immunohistochemistry, Immunofluorescence, Immunocytochemistry**

PRODUCT SYNONYMS

HSP70/HSP72; Polyclonal Antibody; HSP70/HSP72 polyclonal antibody; Hsp70; HspA1A; Heat shock protein 70; HspA1B; Hsp72; anti-HSP70/HSP72 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Beluga, Bovine, Dog, Drosophila, Fish, Guinea Pig, Hamster, Human, Monkey, Mouse, Porcine, Rat, Sheep.
Clonality	Polyclonal
Purity/Purification	Purified from rabbit serum.
Form/Format	Liquid. In PBS, pH 7.2, containing 50% glycerol and 0.09% sodium azide.
Sequence Length	641
Applicable Applications for anti-HSP70/HSP72 antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)
Immunogen	Recombinant human Hsp70.
Preparation and Storage	Long term storage: -20 degree C Avoid freeze/thaw cycles.

IMAGES

WB (Western Blot)
Western blot analysis of HSP70/HSP72 pAb : Lane 1: MW marker; Lane 2: HSP70/HSP72 (human), (recombinant) ; Lane 3: PC-12; Lane 4: PC-12 (heat shocked); Lane 5: HeLa; Lane 6: HeLa (heat shocked).

ADDITIONAL INFORMATION

Related Product Information for anti-HSP70/HSP72 antibody	The Hsp70 family of heat shock protiens contains multiple homologs ranging in size from 66-78 kDa, and are the eukaryotic equivalents of the bacterial DnaK. The most studied Hsp70 members include the cytosolic stress-induced Hsp70 (Hsp72), the constitutive cytosolic Hsc70 (Hsp73), and the ER-localized BiP (Grp78). Hsp70 family members contain highly conserved N-terminal ATP-ase and C-terminal protein binding domains. Binding of peptide to Hsp70 is assisted by Hsp40, and stimulates the inherent ATPase activity of Hsp70, facilitating ATP hydrolysis and enhanced peptide binding. Hsp70 nucleotide exchange and substrate binding coordinates the folding of newly synthesized proteins, the re-folding of misfolded or denatured proteins, coordinates trafficking of proteins across cellular membranes, inhibits protein aggregation, and targets the degradation of proteins via the proteasomal pathway.
Product Categories/Family for anti-HSP70/HSP72 antibody	Protein Synthesis & Folding

NCBI AND UNIPROT INFORMATION

NCBI GI #	194248072
NCBI GeneID	3303
NCBI Accession #	NP_005336.3
NCBI GenBank Nucleotide #	NM_005345
UniProt Accession #	P08107; P19790; Q5JQI4; Q5SP17; Q9UQL9; Q9UQM0; B4E3B6; P0DMV8
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.

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