

Rabbit HSC70/HSP73 Polyclonal Antibody | anti-Heat shock protein 70; Hsc70; Hsp73 antibody

HSC70/HSP73 polyclonal antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA77000	Rabbit	Human, Mouse, Rat, Bovine, Dog, Guinea pig, Hamster, Monkey, Porcine, Rabbit, Sheep	Western Blot, Immunohistochemistry

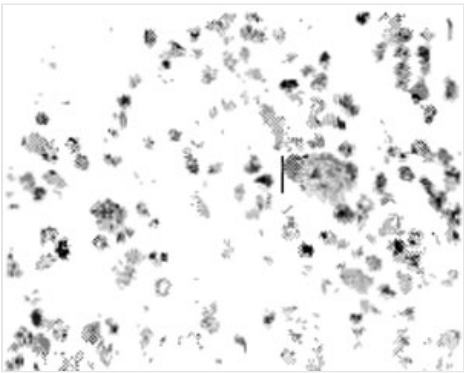
PRODUCT SYNONYMS

HSC70/HSP73; Polyclonal Antibody; HSC70/HSP73 polyclonal antibody; anti-Heat shock protein 70; Hsc70; Hsp73 antibody

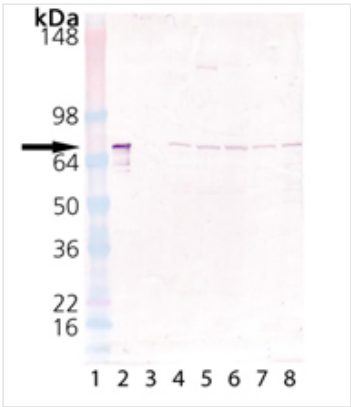
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat, Bovine, Dog, Guinea pig, Hamster, Monkey, Porcine, Rabbit, Sheep
Clonality	Polyclonal
Specificity	Recognizes human, mouse, rat, bovine, dog, guinea pig, hamster, monkey, pig, rabbit and sheep HSC70 (HSP73). Detects a band of ~73kDa by Western blot.
Purity/Purification	Protein A affinity purified.
Form/Format	Liquid. In PBS, pH 7.2, containing 50% glycerol and 0.09% sodium azide.
Sequence Length	646
Applicable Applications for anti-Heat shock protein 70; Hsc70; Hsp73 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	Synthetic peptide corresponding to a portion of human Hsc70 (Hsp73). The sequence is completely conserved in rat, mouse, hamster and bovine.
Preparation and Storage	Long term storage: -20°C Avoid freeze/thaw cycles. Shipped on blue ice.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry analysis of human spleen tissue stained with HSC70/HSP73, pAb at 10 ug/mL.



WB (Western Blot)
Western Blot Analysis of Hsc70 (Hsp73): Lane 1: MWM, Lane 2: HSC70/HSP70 (bovine), (recombinant) Lane 3: HSP70/HSP72 (human), (recombinant), Lane 4: HeLa Cell Lysate, Lane 5: L929 Cell Lysate, Lane 6: PC-12 Cell Lysate, Lane 7: CHO-K1 Cell Lysate, Lane 8: RK-13 Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-Heat shock protein 70; Hsc70; Hsp73 antibody	The Hsp70 family of heat shock proteins 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-Heat shock protein 70; Hsc70; Hsp73 antibody	Protein Synthesis & Folding

NCBI AND UNIPROT INFORMATION

NCBI GI #	123648
NCBI GeneID	3312
UniProt Accession #	P11142 ; Q9H3R6
NCBI Official Full Name	Heat shock cognate 71 kDa protein
NCBI Official Synonym Full Names	heat shock protein family A (Hsp70) member 8
NCBI Official Symbol	HSPA8
NCBI Official Synonym Symbols	LAP1; HSC54; HSC70; HSC71; HSP71; HSP73; LAP-1; NIP71; HEL-33; HSPA10; HEL-S-72p
NCBI Protein Information	heat shock cognate 71 kDa protein
UniProt Protein Name	Heat shock cognate 71 kDa protein
UniProt Gene Name	HSPA8
UniProt Synonym Gene Names	HSC70; HSP73; HSPA10; LAP-1; LPS-associated protein 1
UniProt Entry Name	HSP7C_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/polyclonal/hsc70-hsp73-antibody-western-blot-immunohistochemistry-elisa/77000>