

Rabbit HSP40 Polyclonal Antibody | anti-HSP40 antibody

HSP40 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321122	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

HSP40; Polyclonal Antibody; HSP40 Antibody; DnaJ (Hsp40) homolog subfamily B member 1; DNAJ 1; DNAJ B1; DnaJ homolog subfamily B member 1; DnaJ protein homolog 1; DNAJ1; DNAJB 1; Dnajb1; DNAJB1 protein; DNJB1_HUMAN; HDJ 1; HDJ-1; HDJ1; Heat shock 40 kDa protein 1; Heat shock 40kD protein 1; Heat shock protein 40; Hsp 40; HSPF 1; HSPF1; Human DnaJ protein 1; Radial spoke 16 homolog B; RSPH16B; Sis1; anti-HSP40 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	HSP40 antibody detects endogenous levels of HSP40
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	240
Applicable Applications for anti-HSP40 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human HSP40
Subcellular Location	Cytoplasm. Nucleus. Nucleus > Nucleolus. Translocates rapidly from the cytoplasm to the nucleus, and especially to the nucleoli, upon heat shock.
Tissue Specificity	By heat shock.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA321122 staining COLO205 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



IF (Immunofluorescence)

AAA321122 staining A-431 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis on COLO205 cell lysate using HSP40 Antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA321122 at 1/100 staining human liver tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-HSP40 antibody

Description: DNAJB1 Interacts with HSP70 and can stimulate its ATPase activity. Stimulates the association between HSC70 and HIP. Interacts with DNAJC3. Interacts with SRPK1. By heat shock. Note: This description may include information from UniProtKB.

Function: Interacts with HSP70 and can stimulate its ATPase activity. Stimulates the association between HSC70 and HIP. Negatively regulates heat shock-induced HSF1 transcriptional activity during the attenuation and recovery phase period of the heat shock response (PubMed:9499401). Stimulates ATP hydrolysis and the folding of unfolded proteins mediated by HSPA1A/B (in vitro) (PubMed:24318877).

Subunit Structure: Interacts with DNAJC3 (PubMed:9920933). Interacts with HSF1 (via transactivation domain); this interaction results in the inhibition of heat shock-and HSF1-induced transcriptional activity during the attenuation and recovery phase period of the heat shock response (PubMed:9499401).

NCBI AND UNIPROT INFORMATION

NCBI GI #	665505950
NCBI GeneID	3337
NCBI Accession #	NP_001287843.1
NCBI GenBank Nucleotide #	NM_001300914.1
UniProt Accession #	P25685; B4DX52
Molecular Weight	Observed: 45 kDa Predicted: 39 kDa
NCBI Official Full Name	dnaJ homolog subfamily B member 1 isoform 2
NCBI Official Synonym Full Names	DnaJ heat shock protein family (Hsp40) member B1
NCBI Official Symbol	DNAJB1
NCBI Official Synonym Symbols	Hdj1; Sis1; HSPF1; Hsp40; RSPH16B
NCBI Protein Information	dnaJ homolog subfamily B member 1
UniProt Protein Name	DnaJ homolog subfamily B member 1
UniProt Gene Name	DNAJB1
UniProt Synonym Gene Names	DNAJ1; HDJ1; HSPF1; HSP40; Heat shock protein 40; hDj-1

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/hsp40-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/321122>