

Rabbit anti-Human HSP40 Polyclonal Antibody | anti-DNAJB1 antibody

HSP40 Antibody

CATALOG # AAA287174	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot, Immunohistochemistry, ELISA
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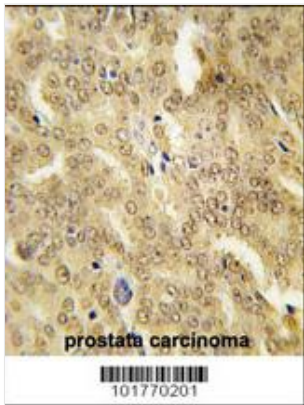
PRODUCT SYNONYMS

HSP40; Polyclonal Antibody; HSP40 Antibody; DnaJ homolog subfamily B member 1; DnaJ protein homolog 1; Heat shock 40 kDa protein 1; Heat shock protein 40; Human DnaJ protein 1; hDj-1; DNAJB1; DNAJ1; HDJ1; HSPF1; anti-DNAJB1 antibody

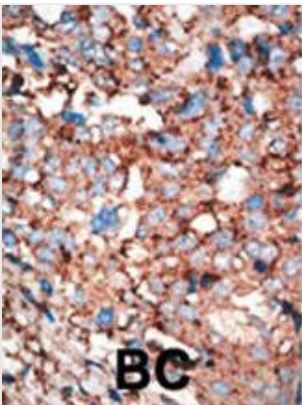
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HSP40 antibody is generated from rabbits immunized with a recombinant protein encoding full length of human HSP40.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Length	240
Applicable Applications for anti-DNAJB1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Recombinant Protein
Crown Antibody	Yes
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.

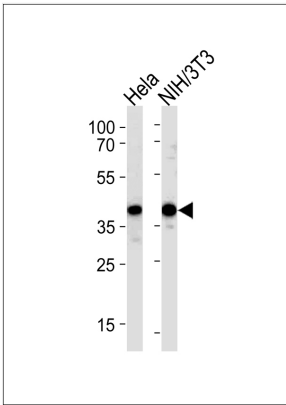
IMAGES



IHC (Immunohistochemisry)
Formalin-fixed and paraffin-embedded human prostata carcinoma tissue reacted with HSP40 Antibody , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
HSP40 Antibody western blot analysis in HeLa,mouse NIH/3T3 cell line lysates (35ug/lane).This demonstrates the HSP40 antibody detected the HSP40 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-DNAJB1 antibody	DnaJ (Hsp40) belongs to the DnaJ-class of molecular chaperones with a C-terminal Zn finger domain. HSP40 (DnaJ) together with DnaK and GrpE form a molecular chaperone that is involved in formation of protein complexes, protein folding, prevention of protein aggregation, and protein turnover and export. Several human neurodegenerative diseases involve the expansion of a polyglutamine within the disease proteins. Molecular chaperones such as HSP40 complexes can modulate polyglutamine pathogenesis In transgenic Drosophila disease models of Machado-Joseph disease and Huntington disease Hdj1, the Drosophila homolog to human HSP40, demonstrates substrate specificity for polyglutamine proteins suppression in combination with other molecular chapterones of neurotoxicity, and altered solubility of mutant polyglutamine proteins.
Product Categories/Family for anti-DNAJB1 antibody	Crown Antibodies; Signal Transduction
References	Ohtsuka, K., et al., Cell Stress Chaperones 5(2):98-112 (2000). Hata, M., et al., Biochim. Biophys. Acta 1397(1):43-55 (1998). Hata, M., et al., Genomics 38(3):446-449 (1996). Ohtsuka, K., Biochem. Biophys. Res. Commun. 197(1):235-240 (1993).

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453690
NCBI GeneID	3337

NCBI Accession #	NP_006136.1
NCBI GenBank Nucleotide #	NM_006145.2
UniProt Accession #	P25685; B4DX52
Molecular Weight	38044
NCBI Official Full Name	dnaJ homolog subfamily B member 1 isoform 1
NCBI Official Synonym Full Names	DnaJ (Hsp40) homolog, subfamily B, member 1
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
UniProt Entry Name	DNJB1_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/hsp40-antibody-western-blot-immunohistochemistry-elisa/287174>