

Rabbit anti-Human, Rat Hsp40/DNAJB1 Polyclonal Antibody | anti-DNAJB1 antibody

Anti-Hsp40/DNAJB1 Antibody Picoband

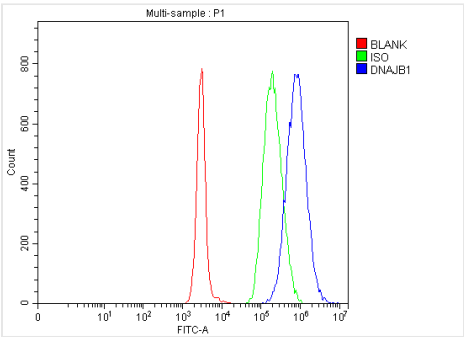
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126284	Rabbit	Human, Rat	Western Blot, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

Hsp40/DNAJB1; Polyclonal Antibody; Anti-Hsp40/DNAJB1 Antibody Picoband; anti-DNAJB1 antibody

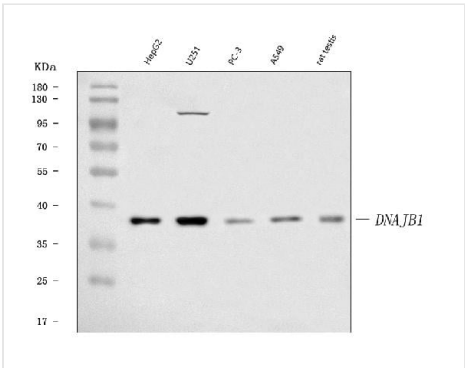
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-DNAJB1 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human Hsp40/DNAJB1 recombinant protein (Position: M1-D313).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of Daudi cells using anti-Hsp40/DNAJB1 antibody (AAA126284).Overlay histogram showing Daudi cells stained with AAA126284 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Hsp40/DNAJB1 Antibody (AAA126284, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of Hsp40/DNAJB1 using anti-Hsp40/DNAJB1 antibody (AAA126284).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human HepG2 whole cell lysates,Lane 2: human U251 whole cell lysates,Lane 3: human PC-3 whole cell lysates,Lane 4: human A549 whole cell lysates,Lane 5: rat testis tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Hsp40/DNAJB1 antigen affinity purified polyclonal antibody (#AAA126284) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Hsp40/DNAJB1 at approximately 38 kDa. The expected band size for Hsp40/DNAJB1 is at 38 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-DNAJB1 antibody	DNAJ homolog subfamily B member 1 is a protein that in humans is encoded by the DNAJB1 gene. This gene encodes a member of the DNAJ or Hsp40 (heat shock protein 40 kD) family of proteins. DNAJ family members are characterized by a highly conserved amino acid stretch called the 'J-domain' and function as one of the two major classes of molecular chaperones involved in a wide range of cellular events, such as protein folding and oligomeric protein complex assembly. The encoded protein is a molecular chaperone that stimulates the ATPase activity of Hsp70 heat-shock proteins in order to promote protein folding and prevent misfolded protein aggregation. Alternative splicing results in multiple transcript variants.
Product Categories/Family for anti-DNAJB1 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453690
NCBI GeneID	3337
NCBI Accession #	NP_006136.1
NCBI GenBank Nucleotide #	NM_006145.1
UniProt Accession #	P25685
Molecular Weight	38,044 Da
NCBI Official Full Name	dnaJ homolog subfamily B member 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; hDj-1; human DnaJ protein 1; heat shock protein 40; dnaJ protein homolog 1; heat shock 40kD protein 1; radial spoke 16 homolog B; heat shock 40 kDa protein 1; DnaJ (Hsp40) 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-dnajb1-antibody-western-blot-flow-cytometry-elisa/126284>