

DNAJA1 recombinant antibody

DNAJA1 Recombinant Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA278980	HEK293F Cell	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Western Blot, ELISA

PRODUCT SYNONYMS

DNAJA1; Monoclonal Recombinant Antibody; DNAJA1 Recombinant Monoclonal Antibody; DnaJ homolog subfamily A member 1 (DnaJ protein homolog 2)(HSDJ)(Heat shock 40 kDa protein 4)(Heat shock protein J2)(HSJ-2)(Human DnaJ protein 2)(hDj-2); DNAJ2 HDJ2 HSJ2 HSPF4; DNAJA1 recombinant antibody

PRODUCT SPECIFICATIONS

Host	HEK293F Cell
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	23C6
Purity/Purification	Affinity purified
Form/Format	Liquid; PBS, 150mM NaCl, 0.02% sodium azide, 50% glycerol, pH 7.4.
Applicable Applications for DNAJA1 recombinant antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), WB (Western Blot), ELISA
Immunogen Species	Human
Immunogen	A synthesized peptide derived from Human DNAJA1
Conjugation	Non-conjugated
Research Area	Signal transduction
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



FCM/FACS (Flow Cytometry)

Overlay Peak curve showing A549 cells stained with AAA278980 (red line) at 1:100. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1ug/1*106cells) for 45min at 4?. The secondary antibody used was FITC-conjugated Goat Anti-rabbit IgG(H+L) at 1:200 dilution for 35min at 4?.Control antibody (green line) was rabbit IgG (1ug/1*106cells) used under the same conditions. Acquisition of >10,000 events was performed.



IF (Immunofluorescence)

Immunofluorescence staining of A549 cell with AAA278980 at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 550-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



WB (Western Blot)

Western BlotPositive WB detected in: U251 whole cell lysate, Ntera-2 whole cell lysate, HepG2 whole cell lysate, MCF-7 whole cell lysate, Hela whole cell lysate, Jurkat whole cell lysate, K562 whole cell lysateAll lanes: DNAJA1 antibody at 1:2000SecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 45, 38 kDaObserved band size: 45-55 kDa

ADDITIONAL INFORMATION

Related Product Information for DNAJA1 recombinant antibody	Co-chaperone for HSPA8/Hsc70 (PubMed:10816573). Stimulates ATP hydrolysis, but not the folding of unfolded proteins mediated by HSPA1A (in vitro)(PubMed:24318877). Plays a role in protein transport into mitochondria via its role as co-chaperone. Functions as co-chaperone for HSPA1B and negatively regulates the translocation of BAX from the cytosol to mitochondria in response to cellular stress, thereby protecting cells against apoptosis (PubMed:14752510). Promotes apoptosis in response to cellular stress mediated by exposure to anisomycin or UV (PubMed:24512202). {ECO:0000269 PubMed:10816573, ECO:0000269 PubMed:14752510, ECO:0000269 PubMed:24318877, ECO:0000269 PubMed:24512202, ECO:0000269 PubMed:9192730}.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	1706474
NCBI GeneID	3301
UniProt Accession #	P31689; Q5T7Q0; Q86TL9
Molecular Weight	397
NCBI Official Full Name	DnaJ homolog subfamily A member 1
NCBI Official Synonym Full Names	DnaJ (Hsp40) homolog, subfamily A, member 1
NCBI Official Symbol	DNAJA1
NCBI Official Synonym Symbols	DJ-2; DjA1; HDJ2; HSDJ; HSJ2; HSPF4; NEDD7; hDJ-2
NCBI Protein Information	dnaJ homolog subfamily A member 1; HSJ-2; human DnaJ protein 2; heat shock protein J2; dnaJ protein homolog 2; heat shock 40 kDa protein 4; heat shock protein, DNAJ-like 2; neural precursor cell expressed, developmentally down-regulated 7
UniProt Protein Name	DnaJ homolog subfamily A member 1
UniProt Gene Name	DNAJA1
UniProt Synonym Gene Names	DNAJ2; HDJ2; HSJ2; HSPF4; HSJ-2; hDj-2
UniProt Entry Name	DNJA1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/dnaja1-recombinant-antibody-clone-23c6-flow-cytometry-immunofluorescence-western-blot-elisa/278980>