

Product Name: KD-Validated DNAJB1 Mouse Monoclonal Antibody**Catalog #: KVA00634**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 38.0kDa

Antigen Information

Gene Name	DNAJB1 DNAJB1; DnaJ Heat Shock Protein Family (Hsp40) Member B1; RSPH16B; Hsp40; HSPF1; Sis1; DnaJ (Hsp40) Homolog, Subfamily B, Member 1; DnaJ Homolog Subfamily B Member 1; Heat
Alternative Names	Shock 40 KDa Protein 1; DnaJ Protein Homolog 1; Human DnaJ Protein 1; Radial Spoke 16 Homolog B (Chlamydomonas); Radial Spoke 16 Homolog B; Heat Shock Protein 40; DNAJ1; HSP40; HDj-1; Hdj1; HDJ1
Gene ID	3337.0
SwissProt ID	P25685
Immunogen	Recombinant protein of human DNAJB1

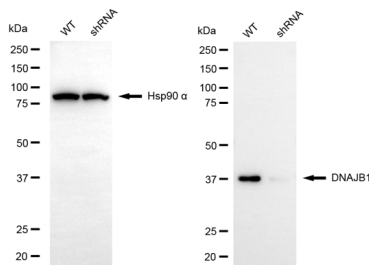
Background

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. [provided by RefSeq, Sep 2015]

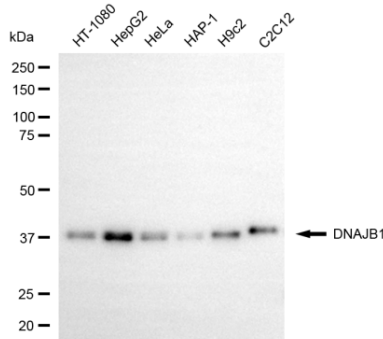
Research Area

Signal Transduction

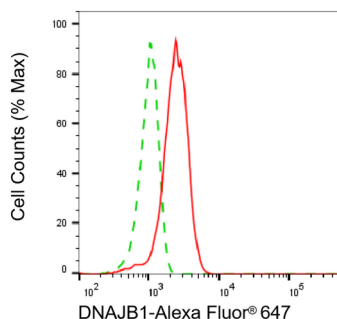
Image Data



Western blotting analysis using DNAJB1 antibody (KVA00634). DNAJB1 expression in wild type (WT) and DNAJB1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with DNAJB1 antibody (KVA00634, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using DNAJB1 antibody (KVA00634). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with DNAJB1 antibody (KVA00634, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Flow cytometric analysis of DNAJB1 expression in HepG2 cells using DNAJB1 antibody (KVA00634, 1:2,000). Green, isotype control; red, DNAJB1.