

## [KD Validated] Anti-DNAJB1 Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

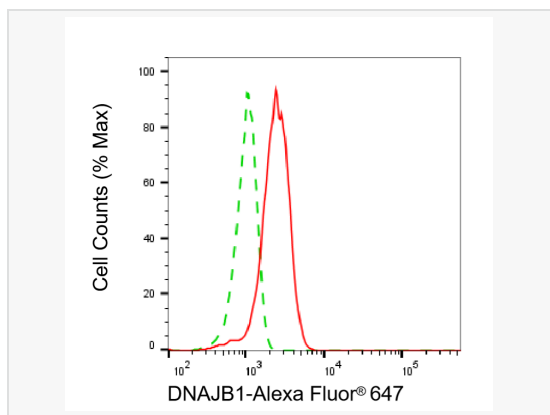
Catalog # M020707

### Product Information

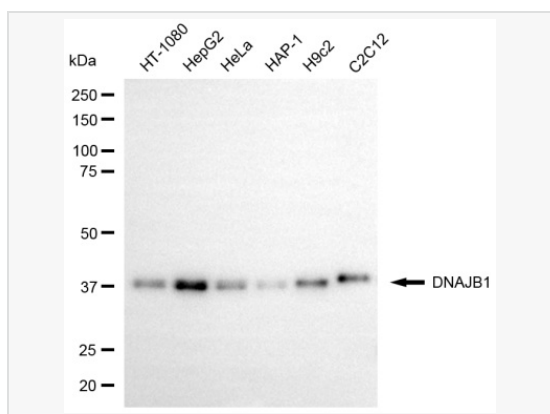
Application	WB, FC
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:5,000; FC 1:200~1:2,000
Host	Mouse
Clonality	Monoclonal
Clone No.	48S36L83
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human DNAJB1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 12 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	[KD Validated] Anti-DNAJB1 Mouse mAb [48S36L83] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

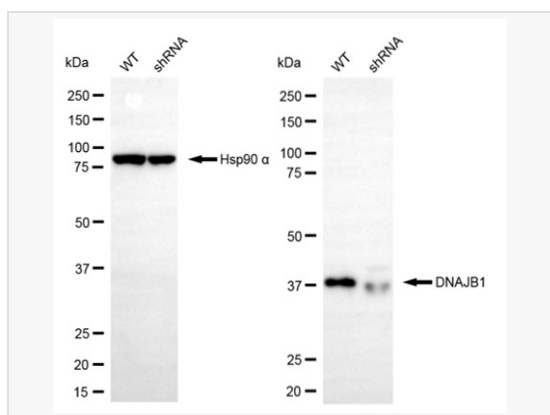
Synonyms	DNAJB1; DnaJ Heat Shock Protein Family (Hsp40) Member B1; RSPH16B; Hsp40; HSPF1; Sis1; DnaJ (Hsp40) Homolog, Subfamily B, Member 1; DnaJ Homolog Subfamily B Member 1; Heat Shock 40 kDa Protein 1; DnaJ Protein Homolog 1; Human DnaJ Protein 1; Radial Spoke 16 Homolog B (Chlamydomonas); Radial Spoke 16 Homolog B; Heat Shock Protein 40; DNAJ1; HSP40; HDj-1; Hdj1; HDJ1.
Calculated MW	Calculated MW: 38 kDa; Observed MW: 38 kDa
Uniprot ID	P25685
Gene ID	3337
Background	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).



Flow cytometric analysis of DNAJB1 expression in HepG2 cells using DNAJB1 antibody (M020707, 1:2,000). Green, isotype control; red, DNAJB1.



Western blotting analysis using DNAJB1 antibody (M020707). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with DNAJB1 antibody (M020707, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.



Western blotting analysis using DNAJB1 antibody (M020707). DNAJB1 expression in wild type (WT) and DNAJB1 shRNA knockdown (KD) HeLa cells with 20  $\mu$ g of total cell lysates. Hsp90  $\alpha$  serves as a loading control. The blot was incubated with DNAJB1 antibody (M020707, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.