

Product datasheet for **CF502244**

Hsp40 (DNAJB1) Mouse Monoclonal Antibody [Clone ID: OTI1G4]

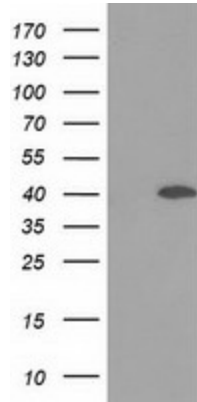
Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1G4
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:500~2000, IF 1:100, FLOW 1:100
Reactivity:	Human, Dog, Monkey, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human DNAJB1 (NP_006136) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	37.9 kDa
Gene Name:	Dnaj heat shock protein family (Hsp40) member B1
Database Link:	NP_006136 Entrez Gene 81489 Mouse Entrez Gene 361384 Rat Entrez Gene 476688 Dog Entrez Gene 718890 Monkey Entrez Gene 3337 Human P25685
Synonyms:	Hdj1; Hsp40; HSPF1; RSPH16B; Sis1

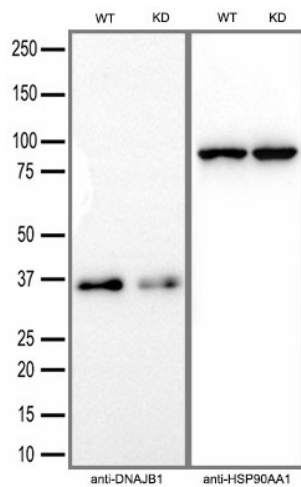


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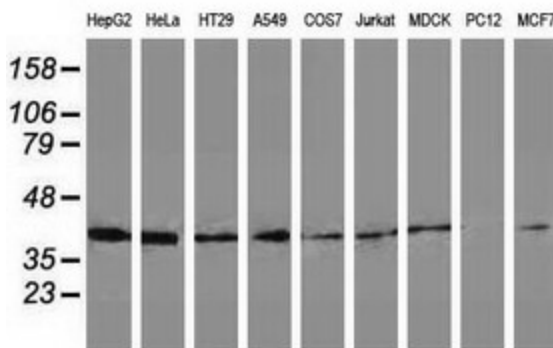
Product images:



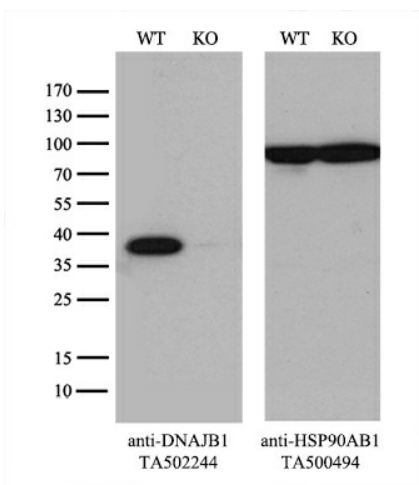
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY DNAJB1 ([RC201762], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DNAJB1. Positive lysates [LY401851] (100ug) and [LC401851] (20ug) can be purchased separately from OriGene.



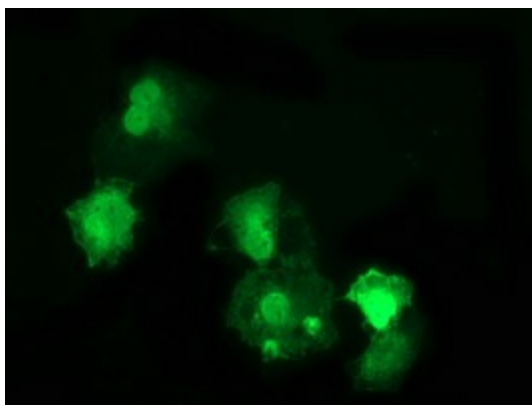
Equivalent amounts of cell lysates (30 ug per lane) of wild-type HeLa cells (WT) and DNAJB1-Knockdown HeLa cells (KD) were separated by SDS-PAGE and immunoblotted with anti-DNAJB1 monoclonal antibody [TA502244] (1:5000). Then the blotted membrane was stripped and reprobed with anti-HSP90AA1 antibody as a loading control.



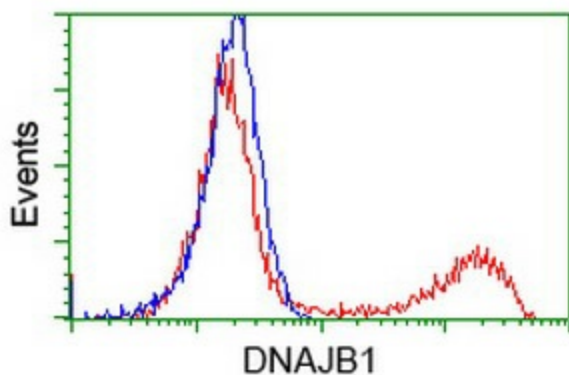
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-DNAJB1 monoclonal antibody.



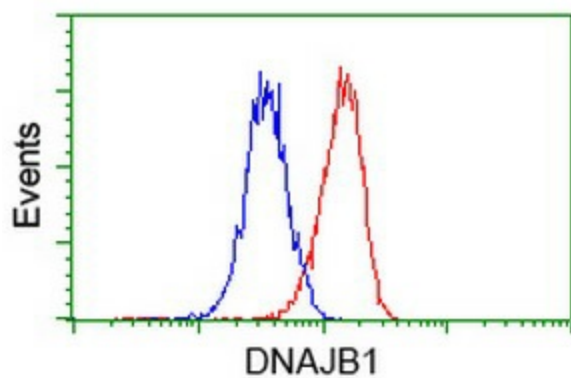
Equivalent amounts of cell lysates (10 ug per lane) of wild-type 293T cells (WT, Cat# LC810293T) and DNAJB1-Knockout 293T cells (KO, Cat# [LC811758]) were separated by SDS-PAGE and immunoblotted with anti-DNAJB1 monoclonal antibody [TA502244], (1:500). Then the blotted membrane was stripped and reprobed with anti-HSP90AB1 antibody ([TA500494]) as a loading control.



Anti-DNAJB1 mouse monoclonal antibody ([TA502244]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY DNAJB1 ([RC201762]).



HEK293T cells transfected with either [RC201762] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-DNAJB1 antibody ([TA502244]), and then analyzed by flow cytometry.



Flow cytometric Analysis of HeLa cells, using anti-DNAJB1 antibody ([TA502244]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).