

Product datasheet for **CF812139**

DNAJB4 Mouse Monoclonal Antibody [Clone ID: OTI2F8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2F8
Applications:	WB
Recommended Dilution:	WB 1:500~2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 2-337 of human DNAJB4 (NP_008965) produced in E.coli.
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:	37.6 kDa
Gene Name:	Dnaj heat shock protein family (Hsp40) member B4
Database Link:	NP_008965 Entrez Gene 67035 Mouse Entrez Gene 295549 Rat Entrez Gene 11080 Human Q9UDY4



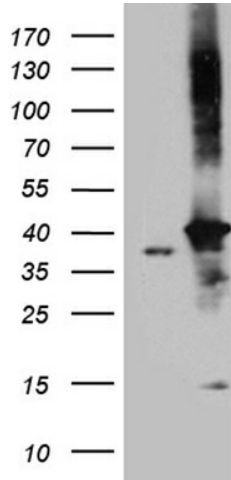
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Background:

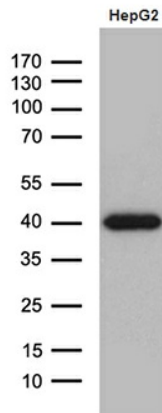
The protein encoded by this gene is a molecular chaperone, tumor suppressor, and member of the heat shock protein-40 family. The encoded protein binds the cell adhesion protein E-cadherin and targets it to the plasma membrane. This protein also binds incorrectly folded E-cadherin and targets it for endoplasmic reticulum-associated degradation. This gene is a strong tumor suppressor for colorectal carcinoma, and downregulation of it may serve as a good biomarker for predicting patient outcomes. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2015]

Synonyms:

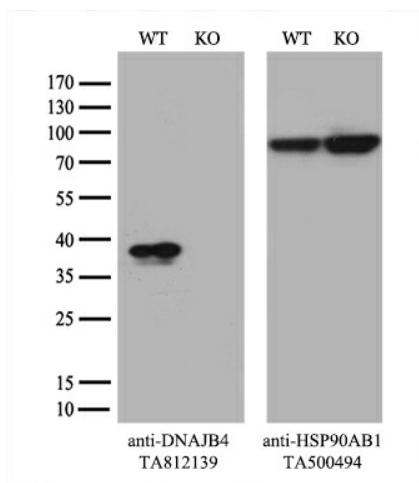
DjB4; DNAJW; HLJ1

Product images:


HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY DNAJB4 (Cat# [RC203743], 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-DNAJB4 antibody (Cat# [TA812139]). Positive lysates [LY402104] (100ug) and [LC402104] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from HepG2 cell line by using anti-DNAJB4 monoclonal antibody (1:500).



Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells (WT, Cat# LC810HELA) and DNAJB4-Knockout HeLa cells (KO, Cat# [LC833273]) were separated by SDS-PAGE and immunoblotted with anti-DNAJB4 monoclonal antibody [TA812139] (1:500^o). Then the blotted membrane was stripped and reprobed with anti-HSP90 antibody as a loading control.