

## Product datasheet for **TA812139BM**

### **DNAJB4 Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OT12F8]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	OT12F8
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:	PBS (pH 7.3) containing 1% BSA, 50% glycerol.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	HRP
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:	<a href="#">NP_008965</a> <a href="#">Entrez Gene 67035 Mouse</a> <a href="#">Entrez Gene 295549 Rat</a> <a href="#">Entrez Gene 11080 Human</a> <a href="#">Q9UDY4</a>



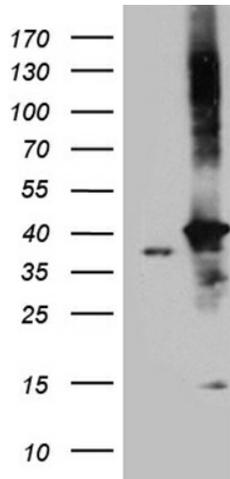
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**Background:**

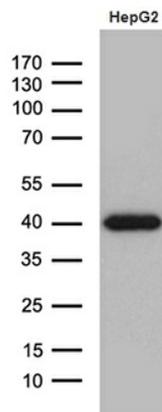
The protein encoded by this gene is a molecular chaperone, tumor suppressor, and member of the heat shock protein-40 family. The encoded protein binds the cell adhesion protein E-cadherin and targets it to the plasma membrane. This protein also binds incorrectly folded E-cadherin and targets it for endoplasmic 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:**

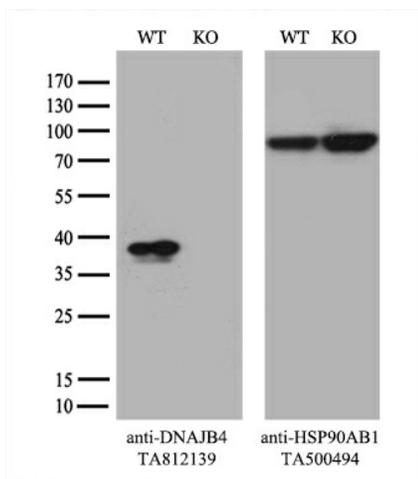
DjB4; DNAJW; HLJ1

**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<sup>o</sup>). Then the blotted membrane was stripped and reprobed with anti-HSP90 antibody as a loading control.