

## Product datasheet for **CF502760**

### **DNAJB2 Mouse Monoclonal Antibody [Clone ID: OTI4D12]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI4D12
<b>Applications:</b>	FC, IF, WB
<b>Recommended Dilution:</b>	WB 1:2000, IF 1:100, FLOW 1:100
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human DNAJB2 (NP_001034639) produced in HEK293T cell.
<b>Formulation:</b>	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
<b>Reconstitution Method:</b>	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)
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	30.4 kDa
<b>Gene Name:</b>	Dnaj heat shock protein family (Hsp40) member B2
<b>Database Link:</b>	<a href="#">NP_001034639</a> <a href="#">Entrez Gene 3300 Human P25686</a>



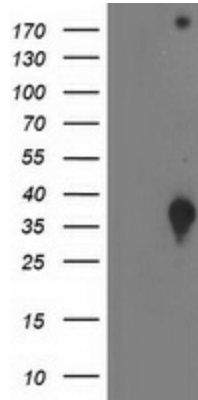
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**Background:**

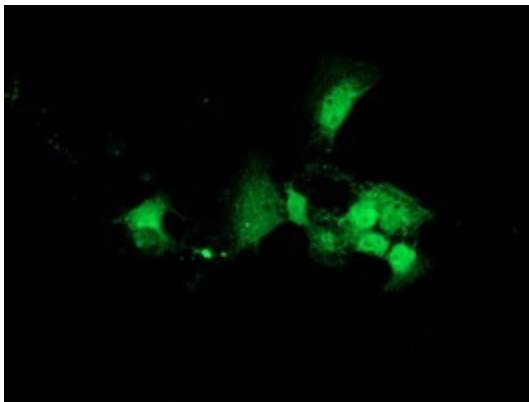
The protein encoded by this gene is a member of the alcohol dehydrogenase family. Members of this enzyme family metabolize a wide variety of substrates, including ethanol, retinol, other aliphatic alcohols, hydroxysteroids, and lipid peroxidation products. This encoded protein, consisting of several homo- and heterodimers of alpha, beta, and gamma subunits, exhibits high activity for ethanol oxidation and plays a major role in ethanol catabolism. Three genes encoding alpha, beta and gamma subunits are tandemly organized in a genomic segment as a gene cluster. [provided by RefSeq]

**Synonyms:**

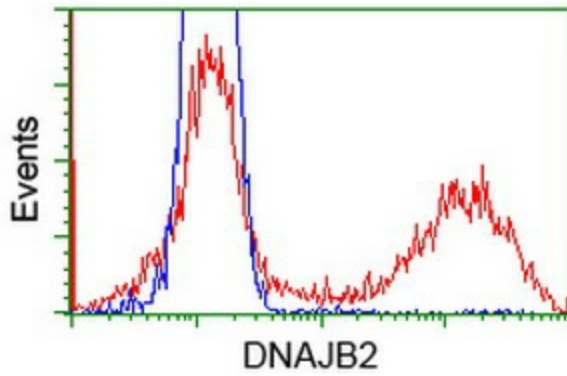
CMT2T; DSMA5; HSJ-1; HSJ1; HSPF3

**Product images:**

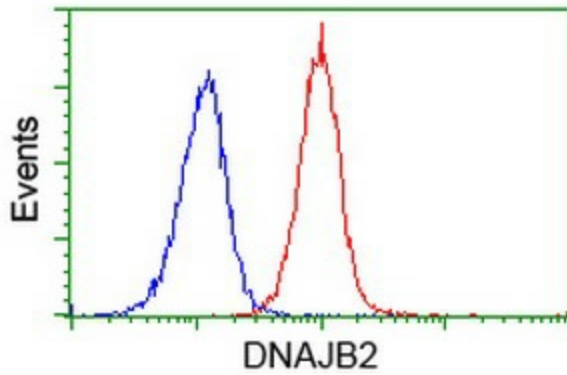
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY DNAJB2 (Cat# [RC206769], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DNAJB2 (Cat# [TA502760]). Positive lysates [LY422070] (100ug) and [LC422070] (20ug) can be purchased separately from OriGene.



Anti-DNAJB2 mouse monoclonal antibody ([TA502760]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY DNAJB2 ([RC206769]).



HEK293T cells transfected with either [RC206769] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-DNAJB2 antibody ([TA502760]), and then analyzed by flow cytometry.



Flow cytometric Analysis of Jurkat cells, using anti-DNAJB2 antibody ([TA502760]), (Red), compared to a nonspecific negative control antibody, (Blue).