

Anti-Hsp40 (DNAJB1) Mouse Monoclonal Antibody [Clone ID: OTI1E9]

Catalog Number: M03100

Overview

Product Name	Anti-Hsp40 (DNAJB1) Mouse Monoclonal Antibody [Clone ID: OTI1E9]
Reactive Species	Human, Mouse, Rat
Description	Boster Bio DNAJB1 (Hsp40) mouse monoclonal antibody, clone OTI1E9 (formerly 1E9). Catalog# M03100. Tested in FC, IF, IHC, WB. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IF, IHC, WB
Clonality	Monoclonal OTI1E9
Formulation	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Storage Instructions	Store at -20°C as received.
Host	Mouse
Uniprot ID	P25685

Technical Details

Immunogen	Full length human recombinant protein of human DNAJB1 (NP_006136) produced in HEK293T cell.
Isotype	IgG2a
Concentration	0.92 mg/ml
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows:

Anti-Hsp40 (DNAJB1) Mouse Monoclonal Antibody [Clone ID: OTI1E9] (M03100) Images

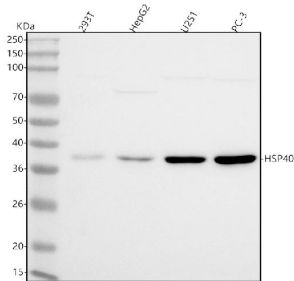
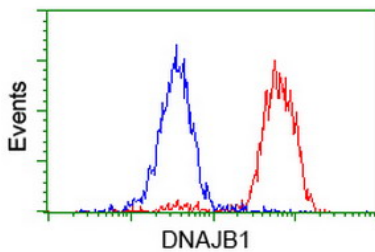


Figure 1. Western blot analysis of DNAJB1 using anti-DNAJB1 antibody (M03100).

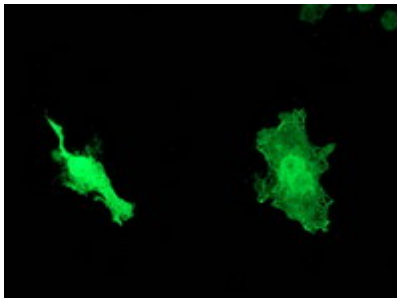
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human 293T whole cell lysates,
Lane 2: human HepG2 whole cell lysates,
Lane 3: human U251 whole cell lysates,
Lane 4: human PC-3 whole cell lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with mouse anti-DNAJB1 antigen affinity purified monoclonal antibody (Catalog # M03100) at 1:1000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-mouse IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1001) with Tanon 5200 system. A specific band was detected for DNAJB1 at approximately 38 kDa. The expected band size for DNAJB1 is at 38 kDa.

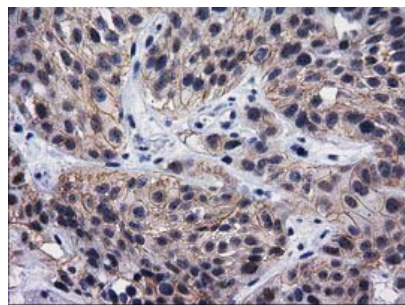
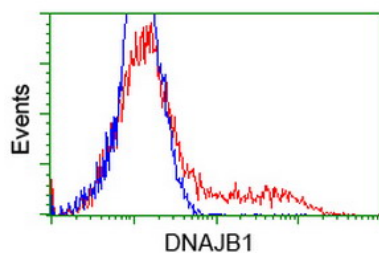


Flow cytometric Analysis of Hela cells

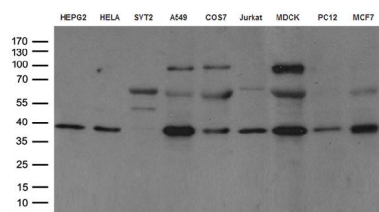


Western blot analysis of extracts (10ug) from Hela cell line by using anti-DNAJB1 monoclonal antibody (1:200).

HEK293T cells transfected with either DNAJB1 (Myc-DDK-tagged) overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-DNAJB1 antibody (M03100)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-DNAJB1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer)



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-DNAJB1 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human) (1:100).

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