

For Research Use Only

# DNAJB1 Monoclonal antibody

Catalog Number: 67422-1-Ig 1 Publications



## Basic Information

|                                     |   |  |
|-------------------------------------|---|--|
| Catalog Number:<br>67422-1-Ig       | GenBank Accession Number:<br>BC019827                     | Purification Method:<br>Protein G purification |
| Size:<br>900 µg/ml                  | GeneID (NCBI):<br>3337                                    | CloneNo.:<br>1E8E10                            |
| Source:<br>Mouse                    | UNIPROT ID:<br>P25685                                     | Recommended Dilutions:<br>WB 1:500-1:3000      |
| Isotype:<br>IgG1                    | Full Name:<br>DnaJ (Hsp40) homolog, subfamily B, member 1 |  |
| Immunogen Catalog Number:<br>AG3830 | Calculated MW:<br>340 aa, 40 kDa                          |  |
|                                     | Observed MW:<br>38 kDa                                    |  |

## Applications

|   |   |
|---|---|
| Tested Applications:<br>WB, FC (Intra), ELISA | Positive Controls:<br>WB : HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells |
| Cited Applications:<br>WB                     |   |
| Species Specificity:<br>human                 |   |
| Cited Species:<br>human                       |   |

## Background Information

DNAJB1 is a member of the heat shock 40 protein family and has been involved in a variety of cellular processes, including the proteasome pathway, endoplasmic reticulum stress and viral infection. DNAJB1-PRKACA gene fusions have been considered diagnostic for fibrolamellar hepatocellular carcinoma.

## Notable Publications

| Author        | Pubmed ID | Journal       | Application |
|---------------|-----------|---------------|-------------|
| Simona Cugusi | 36121223  | Mol Cell Biol | WB          |

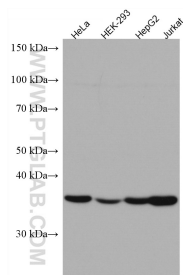
## Storage

Storage:  
Store at -20°C. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

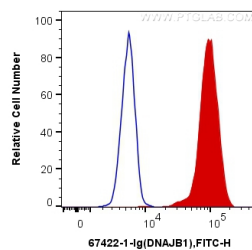
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67422-1-Ig (DNAJB1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.4 ug Anti-Human DNAJB1 (67422-1-Ig, Clone:1E8E10) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).