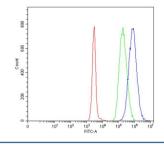


# DNAJB1 Antibody / HSP40 (RQ7331)

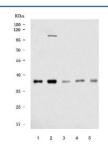
| Catalog No. | Formulation   | Size   |
|-------------|---|--------|
| RQ7331      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

## **Bulk quote request**

| Availability       | 1-3 business days  |
|--------------------|--|
| Species Reactivity | Human, Rat   |
| Format             | Antigen affinity purified  |
| Clonality          | Polyclonal (rabbit origin)   |
| Isotype            | Rabbit IgG   |
| Purity             | Antigen affinity purified  |
| Buffer             | Lyophilized from 1X PBS with 2% Trehalose  |
| UniProt            | P25685   |
| Applications       | Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml |
| Limitations        | This DNAJB1 antibody is available for research use only.                                   |



Flow cytometry testing of human Daudi cells with DNAJB1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= DNAJB1 antibody.



Western blot testing of 1) human HepG2, 2) human U-251, 3) human PC-3, 4) human A549 and 5) rat testis tissue lysate with DNAJB1 antibody. Expected molecular weight ~40 kDa.

#### **Description**

DnaJ homolog subfamily B member 1 is a protein that in humans is encoded by the DNAJB1 gene. This gene encodes a member of the DnaJ or Hsp40 (heat shock protein 40 kD) family of proteins. DNAJ family members are characterized by a highly conserved amino acid stretch called the 'J-domain' and function as one of the two major classes of molecular chaperones involved in a wide range of cellular events, such as protein folding and oligomeric protein complex assembly. The encoded protein is a molecular chaperone that stimulates the ATPase activity of Hsp70 heat-shock proteins in order to promote protein folding and prevent misfolded protein aggregation. Alternative splicing results in multiple transcript variants.

## **Application Notes**

Optimal dilution of the DNAJB1 antibody should be determined by the researcher.

#### **Immunogen**

Recombinant human protein (amino acids M1-D313) was used as the immunogen for the DNAJB1 antibody.

### **Storage**

After reconstitution, the DNAJB1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.