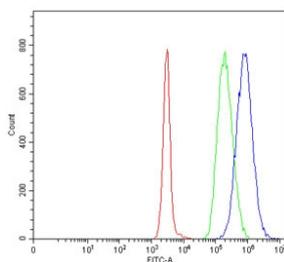


## DNAJB1 Antibody / HSP40 (RQ7331)

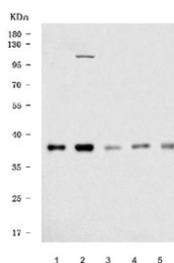
Catalog No.	Formulation	Size
RQ7331	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	P25685
<b>Applications</b>	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	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 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.