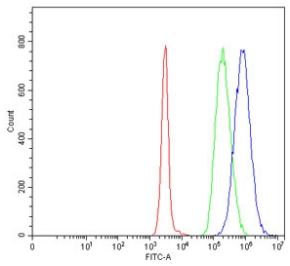
DNAJB1 Antibody / HSP40 (RQ7331)

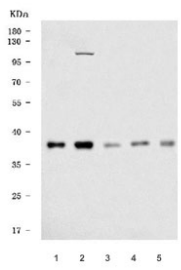
Catalog No.	Formulation	Size
RQ7331	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
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.

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