

## (KO Validated) DNAJB1 Polyclonal Antibody

catalog number: **E-AB-60998**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

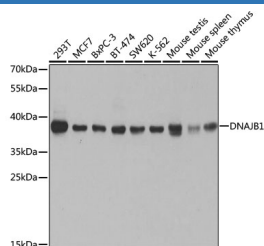
### Description

<b>Reactivity</b>	Human;Mouse;Rat
<b>Immunogen</b>	Recombinant fusion protein of human DNAJB1 (NP_006136.1).
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Buffer</b>	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

### Applications

<b>WB</b>	1:500-1:2000
<b>IF</b>	1:50-1:200

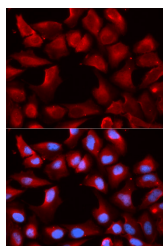
### Data



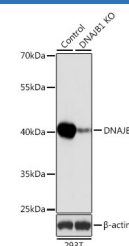
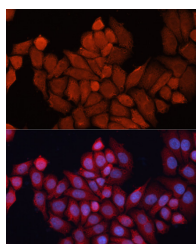
Western blot analysis of extracts of various cell lines using DNAJB1 Polyclonal Antibody at dilution of 1:1000.

**Observed-MW:39 kDa**

**Calculated-MW:27 kDa/38 kDa**



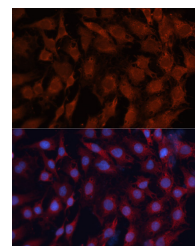
Immunofluorescence analysis of U2OS cells using DNAJB1 Polyclonal Antibody



Western blot analysis of extracts from normal (control) and DNAJB1 knockout (KO) 293T cells using DNAJB1 Polyclonal Antibody at dilution of 1:1000.

**Observed-MW:39 kDa**

**Calculated-MW:27 kDa/38 kDa**



Immunofluorescence analysis of C6 cells using DNAJB1 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

### For Research Use Only

Immunofluorescence analysis of HeLa cells using DNAJB1  
Polyclonal Antibody at dilution of 1:100. Blue: DAPI for  
nuclear staining.

## Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

## Background

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.

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