

For Research Use Only

# DNAJB1 Recombinant antibody

Catalog Number: 82676-1-RR



## Basic Information

<b>Catalog Number:</b> 82676-1-RR	<b>GenBank Accession Number:</b> BC019827	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3337	<b>CloneNo.:</b> 4K3
<b>Source:</b> Rabbit	<b>Full Name:</b> DnaJ (Hsp40) homolog, subfamily B, member 1	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IP 0.5-4.0 ug for IP and 1:2000-1:10000 for WB
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 340 aa, 40 kDa	<b>IHC 1:1000-1:4000</b> <b>IF 1:200-1:800</b>
<b>Immunogen Catalog Number:</b> AG3830	<b>Observed MW:</b> 37-40 kDa	

## Applications

**Tested Applications:**  
IF, IHC, IP, WB, ELISA

**Species Specificity:**  
Human, mouse, rat

**Note-IHC: suggested antigen retrieval with  
TE buffer pH 9.0; (\*) Alternatively, antigen  
retrieval may be performed with citrate  
buffer pH 6.0**

**Positive Controls:**

**WB :** HeLa cells, HepG2 cells, Jurkat cells, C2C12 cells,  
C6 cells, mouse liver tissue, rat liver tissue

**IP :** mouse lung tissue,

**IHC :** human colon cancer tissue,

**IF :** HeLa cells,

## 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.

## 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

\*\*\* 20ul sizes contain 0.1% BSA

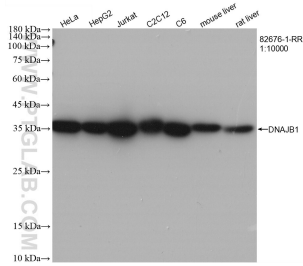
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)

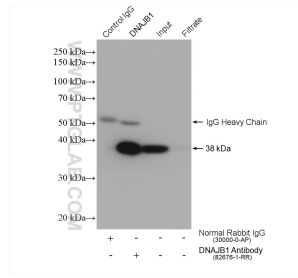
E: proteintech@ptglab.com  
W: ptglab.com

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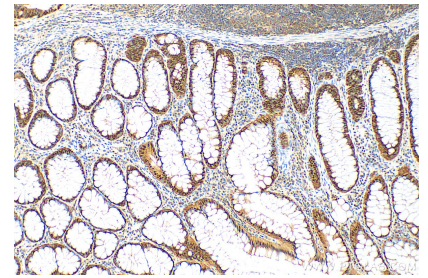
## Selected Validation Data



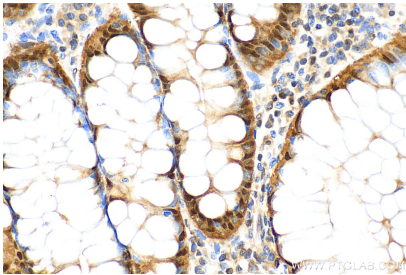
Various lysates were subjected to SDS PAGE followed by western blot with 82676-1-RR (DNAJB1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



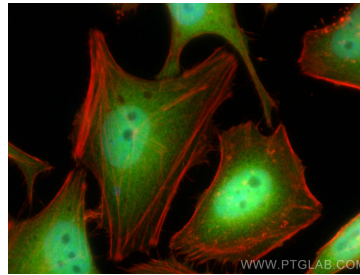
IP result of anti-DNAJB1(IP:82676-1-RR, 4ug; Detection:82676-1-RR 1:5000) with mouse lung tissue lysate 1120 ug.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 82676-1-RR (DNAJB1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 82676-1-RR (DNAJB1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using DNAJB1 antibody (82676-1-RR, Clone: 4K3 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).