

For Research Use Only

DNAJB1 Recombinant antibody

Catalog Number: 82676-1-RR



Basic Information

Catalog Number: 82676-1-RR	GenBank Accession Number: BC019827	Purification Method: Protein A purification
Size: 100ul, Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 3337	CloneNo.: 4K3
Source: Rabbit	UNIPROT ID: P25685	Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:1000-1:4000 IF/ICC 1:200-1:800
Isotype: IgG	Full Name: DnaJ (Hsp40) homolog, subfamily B, member 1	
Immunogen Catalog Number: AG3830	Calculated MW: 340 aa, 40 kDa Observed MW: 37-40 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, IP, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : HeLa cells, HepG2 cells, Jurkat cells, C2C12 cells, C6 cells, mouse liver tissue, rat liver tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IP : mouse lung tissue, IHC : human colon cancer tissue, IF/ICC : 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

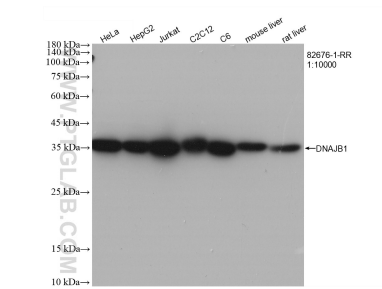
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

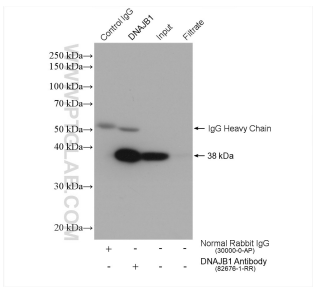
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

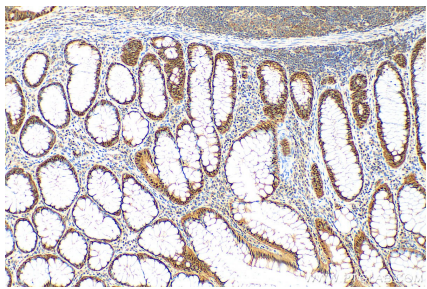
Selected Validation Data



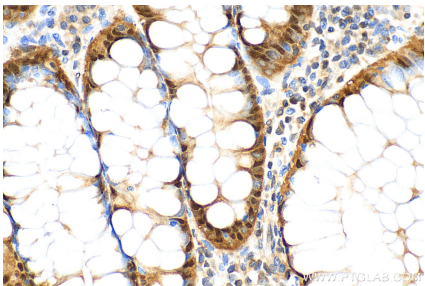
Various lysates were subjected to SDS PAGE followed by western blot with 82676-1-RR (DNAJB1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



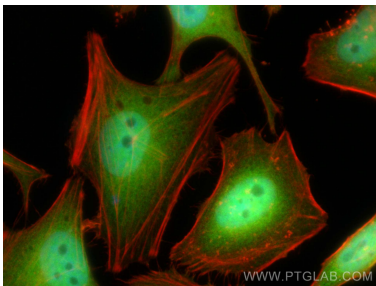
IP result of anti-DNAJB1 (IP:82676-1-RR, 4ug; Detection:82676-1-RR 1:5000) with mouse lung tissue lysate 1120 ug.



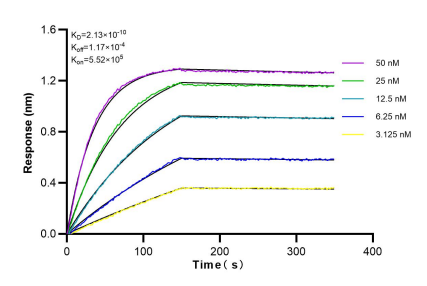
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 82676-1-RR (DNAJB1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).



Bilayer interferometry (BLI) kinetic assays of 82676-1-RR against Human DNAJB1 were performed. The affinity constant is 0.213 nM.