

For Research Use Only

# DNAJB5 Polyclonal antibody

Catalog Number: 16453-1-AP



## Basic Information

<b>Catalog Number:</b> 16453-1-AP	<b>GenBank Accession Number:</b> BC012115	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 800 µg/ml by Nanodrop and 433 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 25822	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> DnaJ (Hsp40) homolog, subfamily B, member 5	<b>IHC 1:20-1:200</b> <b>IF 1:20-1:200</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 386 aa, 44 kDa	
<b>Immunogen Catalog Number:</b> AG9341	<b>Observed MW:</b> 39 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, IP, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB :</b> rat heart tissue, HeLa cells, HepG2 cells
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IP :</b> HepG2 cells,
	<b>IHC :</b> human heart tissue, human kidney tissue, human testis tissue
	<b>IF :</b> HepG2 cells,

## Background Information

DNAJB5, also named as Hsc40, is an Hsp40 Family Protein with MW 39-40 kDa. It mediates antihypertrophic effects of Thioredoxin1 in the heart. This protein has some isoforms with MW 39 kDa and 47-51 kDa.

## Storage

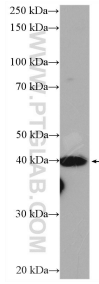
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

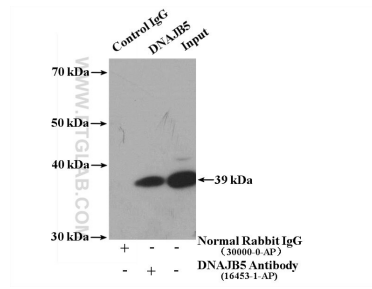
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

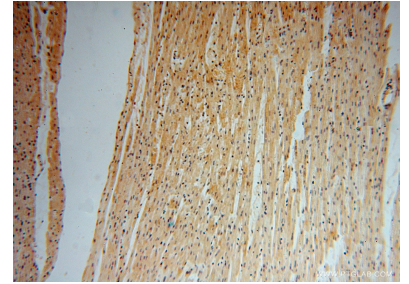
## Selected Validation Data



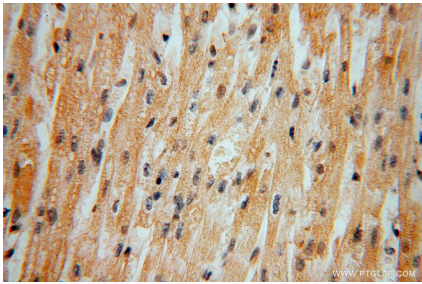
rat heart tissue were subjected to SDS PAGE followed by western blot with 16453-1-AP (DNAJB5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



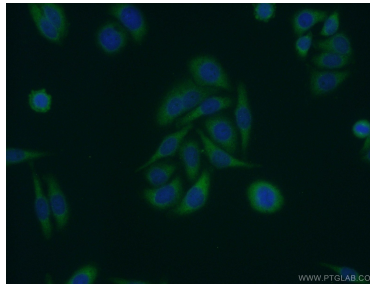
IP result of anti-DNAJB5 (IP:16453-1-AP, 4ug; Detection:16453-1-AP 1:500) with HepG2 cells lysate 3300 ug.



Immunohistochemical analysis of paraffin-embedded human heart using 16453-1-AP (DNAJB5 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart using 16453-1-AP (DNAJB5 antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of HepG2 cells using 16453-1-AP (DNAJB5 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).