

DNAJB5 Polyclonal antibody

Catalog Number: 16453-1-AP

Basic Information

Catalog Number:

16453-1-AP

Size:

800 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9341

GenBank Accession Number:

BC012115

GeneID (NCBI):

25822

UNIPROT ID:

O75953

Full Name:

DnaJ (Hsp40) homolog, subfamily B, member 5

Calculated MW:

386 aa, 44 kDa

Observed MW:

39 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF/ICC 1:20-1:200

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, 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: rat heart tissue, HeLa cells, HepG2 cells

IP: HepG2 cells,

IHC: human heart tissue, human kidney tissue, human testis tissue

IF/ICC: 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:

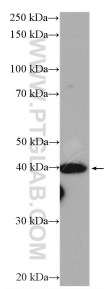
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

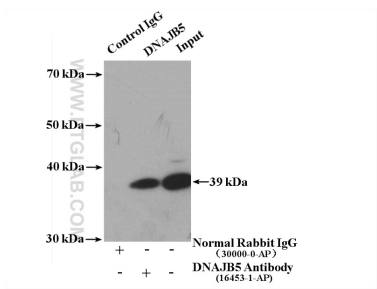
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

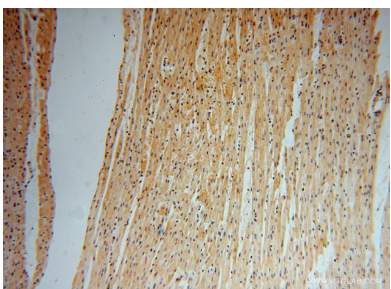
Selected Validation Data



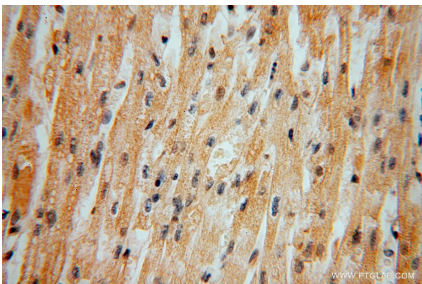
rat heart tissue were subjected to SDS PAGE followed by western blot with 16453-1-AP (DNAJB5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



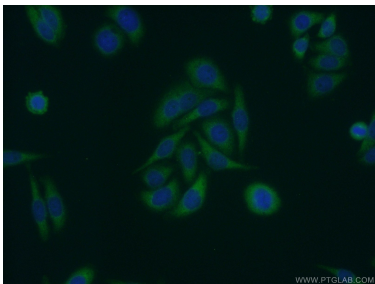
IP result of anti-DNAJB5 (IP:16453-1-AP, 4ug; Detection:16453-1-AP 1:500) with HepG2 cells lysate 3300 ug.



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).