

DNAJB1 Polyclonal antibody

Catalog Number: 13174-1-AP

Featured Product

25 Publications

Basic Information

Catalog Number:

13174-1-AP

Size:

850 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3830

GenBank Accession Number:

BC019827

GeneID (NCBI):

3337

Full Name:

DnaJ (Hsp40) homolog, subfamily B, member 1

Calculated MW:

340 aa, 40 kDa

Observed MW:

37-40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

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

IHC 1:50-1:500

IF 1:200-1:800

Applications

Tested Applications:

FC, IF, IHC, IP, WB, ELISA

Cited Applications:

IF, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse

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, mouse liver tissue, mouse lung tissue, rat lung tissue, rat liver tissue, C2C12 cells, C6 cells

IP: mouse lung tissue,

IHC: human oesophagus cancer tissue, human lymphoma tissue, mouse testis 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.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-------------------|-----------|-------------------------------|-------------|
| Donald A Jurivich | 31612204 | J Gerontol A Biol Sci Med Sci | WB |
| Guisen Peng | 36465351 | Front Oncol | WB |
| Yuchun Zuo | 30459553 | Front Mol Neurosci | WB |

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

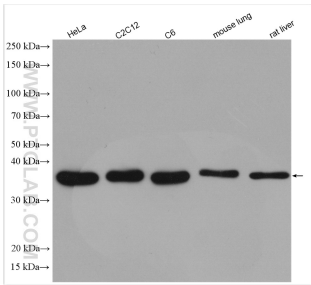
For technical support and original validation data for this product please contact:

T: 4006900926

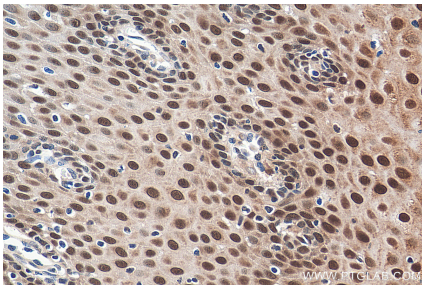
E: Proteintech-CN@ptglab.comW: ptgcn.com

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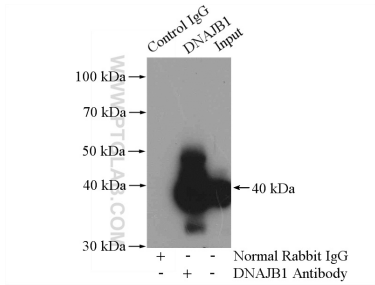
Selected Validation Data



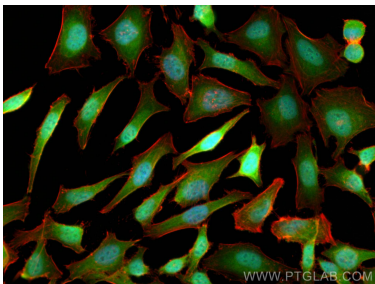
Various lysates were subjected to SDS PAGE followed by western blot with 13174-1-AP (DNAJB1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



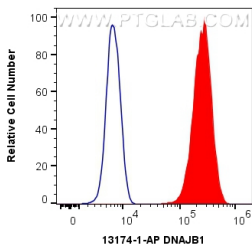
Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 13174-1-AP (DNAJB1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-DNAJB1 (IP:13174-1-AP, 4ug; Detection:13174-1-AP 1:500) with mouse lung tissue lysate 4000ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using DNAJB1 antibody (13174-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Anti-Human DNAJB1 (13174-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).