

For Research Use Only

# DNAJC10 Polyclonal antibody

Catalog Number: 13101-1-AP

Featured Product

14 Publications



## Basic Information

### Catalog Number:

13101-1-AP

### Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 280 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG3737

### GenBank Accession Number:

BC034713

### GeneID (NCBI):

54431

### UNIPROT ID:

Q8IXB1

### Full Name:

DnaJ (Hsp40) homolog, subfamily C, member 10

### Calculated MW:

793 aa, 91 kDa

### Observed MW:

80-90 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:10000

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

IHC 1:500-1:2000

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF, CoIP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, 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, mouse liver tissue

**IP** : HeLa cells,

**IHC** : human pancreas cancer tissue, human stomach tissue, human testis tissue

**IF/ICC** : HeLa cells,

## Background Information

DNAJC10(DnaJ homolog subfamily C member 10)is also named as ERDJ5. The human ER-resident protein (ERdj5) ubiquitously expresses and is abundant in secretory tissues such as pancreas and testis and it may be involved in assisting protein folding and quality control in the ER(PMID:12411443). The deduced 793-amino acid protein has a calculated molecular mass of about 91 kD. ERDJ5 contains an N-terminal hydrophobic sequence, followed by a type III DnaJ domain, 4 thioredoxin-like domains, and a C-terminal KDEL endoplasmic reticulum (ER) retention signal. It can be modified by N-linked glycosylation(PMID:12446677). The ERdj5 antibody displays a higher affinity for endogenous ERdj5u.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yong Huang	32938225	Am J Physiol Cell Physiol	WB
Duc T Tran	32457219	Diabetes	WB
L Montibeller	29725981	Cell Stress Chaperones	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

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

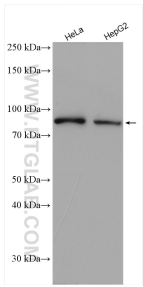
For technical support and original validation data for this product please contact:

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

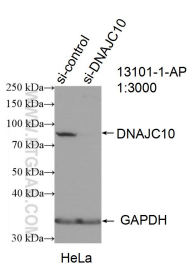
E: proteintech@ptglab.com  
W: ptglab.com

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

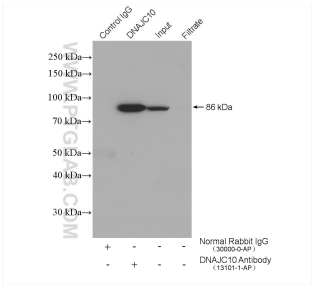
Selected Validation Data



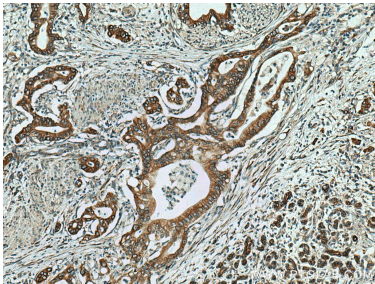
Various lysates were subjected to SDS PAGE followed by western blot with 13101-1-AP (DNAJC10 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



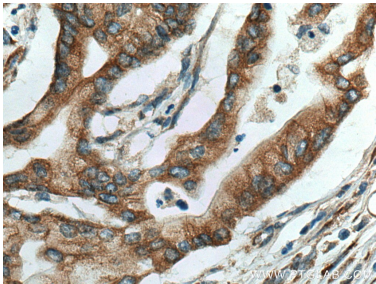
WB result of DNAJC10 antibody (13101-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DNAJC10 transfected HeLa cells.



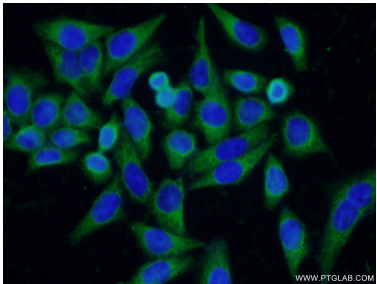
IP result of anti-DNAJC10 (IP:13101-1-AP, 4ug; Detection:13101-1-AP 1:500) with HeLa cells lysate 1600 ug.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 13101-1-AP (DNAJC10 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 13101-1-AP (DNAJC10 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 13101-1-AP (DNAJC10 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).