For Research Use Only

DNAJC10 Polyclonal antibody

Catalog Number:13101-1-AP Featured Product 14 Publications

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
13101-1-AP

Concentration:
450 μg/ml

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

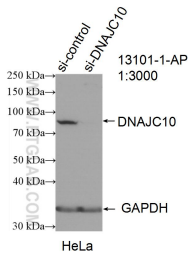
Author	Pubmed ID	Journal	Application
Yong Huang	32938225	Am J Physiol Cell Physiol	WB
Duc T Tran	32457219	Diabetes	WB
L Montibeller	29725981	Cell Stress Chaperones	WB

Storage

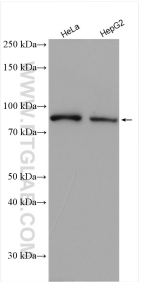
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

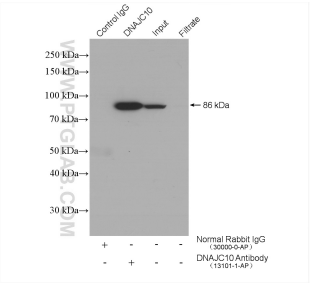
Selected Validation Data



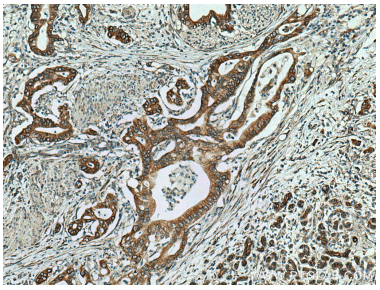
WB result of DNAJC10 antibody (13101-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DNAJC10 transfected HeLa cells.



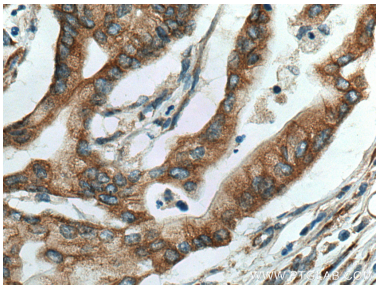
Various lysates were subjected to SDS PAGE followed by western blot with 13101-1-AP (DNAJC10 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



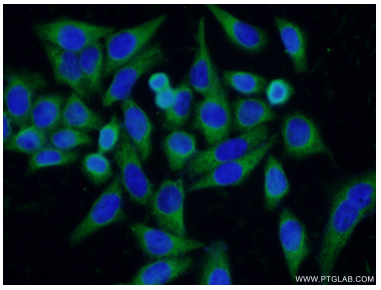
IP result of anti-DNAJC10 (IP:13101-1-AP, 4ug; Detection:13101-1-AP 1:500) with HeLa cells lysate 1600 ug.



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℃ 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).