

For Research Use Only

DNAJC21 Polyclonal antibody

Catalog Number: 23411-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

23411-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG20003

GenBank Accession Number:

BC107577

GeneID (NCBI):

134218

UNIPROT ID:

Q5F1R6

Full Name:

DnaJ (Hsp40) homolog, subfamily C, member 21

Calculated MW:

531 aa, 58 kDa

Observed MW:

70 kDa

Purification Method:

Antigen Affinity purified

Recommended Dilutions:

WB 1:2000-1:10000

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

IHC 1:20-1:200

IF/ICC 1:20-1:200

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human

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 : HEK-293 cells, mouse brain tissue, HeLa cells, rat brain tissue

IP : HEK-293 cells,

IHC : human pancreas tissue,

IF/ICC : HeLa cells,

Background Information

DNAJC21 is a ubiquitously expressed DnaJ (heat shock protein 40) chaperone protein. Recently DNAJC21 was reported to be implicated in rRNA biogenesis. Loss of DNAJC21 induced abnormal cell morphology and inhibited cell growth. Mutations in DNAJC21 cause bone marrow failure syndrome. (27346687)

Notable Publications

Author	Pubmed ID	Journal	Application
Kaosheng Lv	33711283	Cell Stem Cell	WB
Hemanth Tummalala	27346687	Am J Hum Genet	WB,IF

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

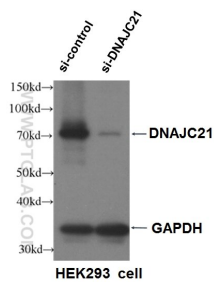
For technical support and original validation data for this product please contact:

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

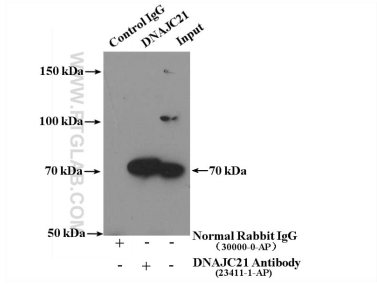
E: proteintech@ptglab.com
W: ptglab.com

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

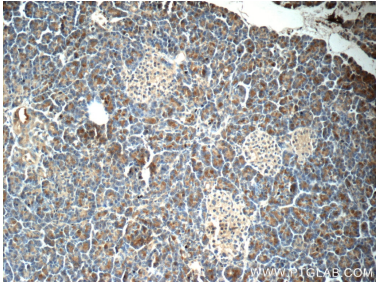
Selected Validation Data



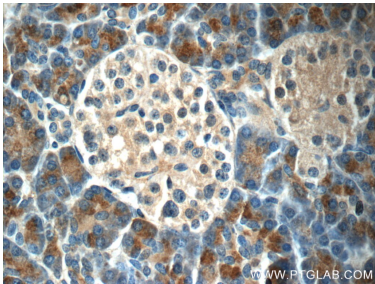
WB results of DNAJC21 antibody (23411-1-AP, 1:2000) with si-control and si-DNAJC21 transfected HEK293 cells.



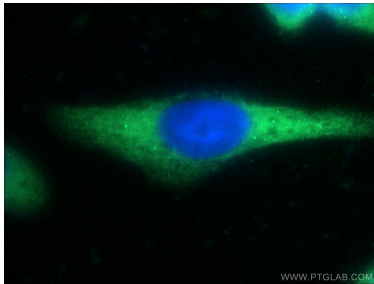
IP result of anti-DNAJC21 (IP:23411-1-AP, 4ug; Detection:23411-1-AP 1:1000) with HEK-293 cells lysate 2700ug.



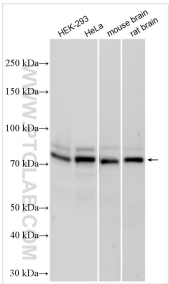
Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 23411-1-AP (DNAJC21 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 23411-1-AP (DNAJC21 Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of HeLa cells using 23411-1-AP (DNAJC21 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 23411-1-AP (DNAJC21 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.