

For Research Use Only

DNAJC6/AUXILIN Polyclonal antibody

Catalog Number: 21941-1-AP

3 Publications



Basic Information

Catalog Number:

21941-1-AP

Size:

150ul, Concentration: 900 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16612

GenBank Accession Number:

BC109279

GeneID (NCBI):

9829

UNIPROT ID:

O75061

Full Name:

DnaJ (Hsp40) homolog, subfamily C, member 6

Calculated MW:

970 aa, 106 kDa

Observed MW:

100-110 kDa, 86 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:5000-1:50000

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

IHC: 1:500-1:2000

IF/ICC: 1:20-1:200

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB: mouse brain tissue, HeLa cells, mouse cerebellum tissue, rat brain tissue

IP: mouse brain tissue,

IHC: mouse brain tissue,

IF/ICC: HeLa cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

DNAJC6, also named AUXILIN, belongs to the evolutionarily conserved DNAJ/HSP40 family of proteins, which regulate molecular chaperone activity by stimulating ATPase activity. It is a neuronal protein that functions specifically in the pathway of clathrin-mediated endocytosis. It shares homology with GAK, and the two proteins act as cochaperones to support the HSC70-dependent clathrin uncoating of clathrin-coated vesicles (PMID: 2016009). DNAJC6 is expressed in various brain regions, including cerebellum, corpus callosum, cortex, striatum, brainstem, pons, putamen, spinal cord and substantia nigra (PMID: 23211418).

Notable Publications

Author	Pubmed ID	Journal	Application
Ernes Candiello	29150658	Sci Rep	
Mohamed Alalem	36077724	Cancers (Basel)	WB
Rui Cao	39885289	Sci Rep	WB,IHC

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

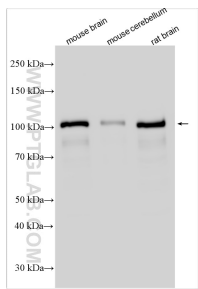
For technical support and original validation data for this product please contact:

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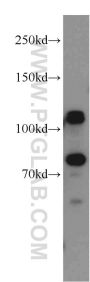
E: proteintech@ptglab.com
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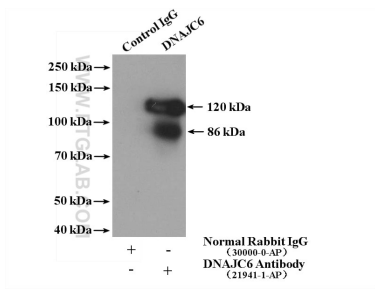
Selected Validation Data



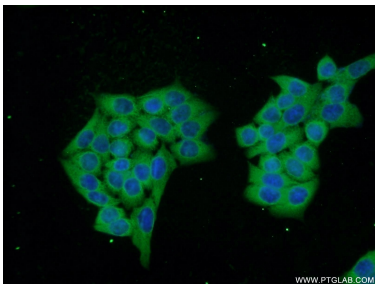
Various lysates were subjected to SDS PAGE followed by western blot with 21941-1-AP (DNAJC6/AUXILIN antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



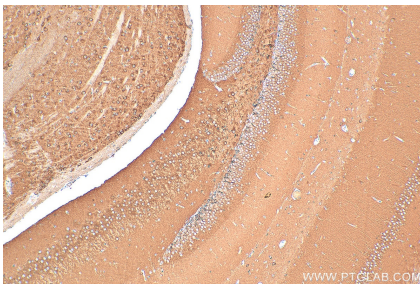
HeLa cells were subjected to SDS PAGE followed by western blot with 21941-1-AP (DNAJC6/AUXILIN antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



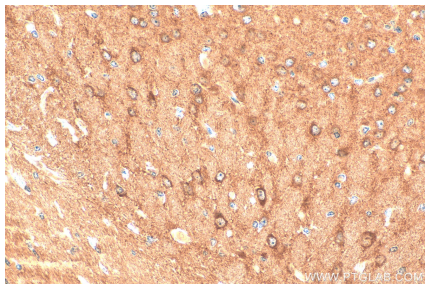
IP result of anti-DNAJC6/AUXILIN (IP:21941-1-AP, 4ug; Detection:21941-1-AP 1:2000) with mouse brain tissue lysate 4000 ug.



Immunofluorescent analysis of HeLa cells using 21941-1-AP (DNAJC6/AUXILIN antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 21941-1-AP (DNAJC6/AUXILIN 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 mouse brain tissue slide using 21941-1-AP (DNAJC6/AUXILIN antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).