

For Research Use Only

# DNAJC6/AUXILIN Polyclonal antibody

Catalog Number: 21941-1-AP

3 Publications



## Basic Information

Catalog Number:	21941-1-AP	GenBank Accession Number:	BC109279	Purification Method:	Antigen affinity purification
Size:	150ul, Concentration: 900 ug/ml by Nanodrop;	GeneID (NCBI):	9829	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
Source:	Rabbit	UNIPROT ID:	Q75061		
Isotype:	IgG	Full Name:	DnaJ (Hsp40) homolog, subfamily C, member 6		
Immunogen Catalog Number:	AG16612	Calculated MW:	970 aa, 106 kDa		
		Observed MW:	100-110 kDa, 86 kDa		

## Applications

Tested Applications:	WB, IHC, IF/ICC, IP, ELISA	Positive Controls:	WB: mouse brain tissue, HeLa cells, mouse cerebellum tissue, rat brain tissue
Cited Applications:	WB, IHC	IP:	mouse brain tissue,
Species Specificity:	human, mouse, rat	IHC:	mouse brain tissue,
Cited Species:	human, mouse	IF/ICC:	HeLa cells,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>			

## 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
Ermes 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

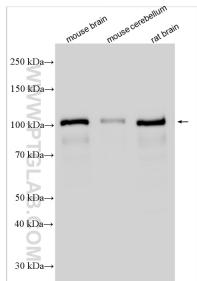
\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

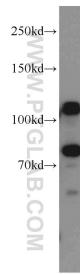
E: proteintech@ptglab.com  
W: ptglab.com

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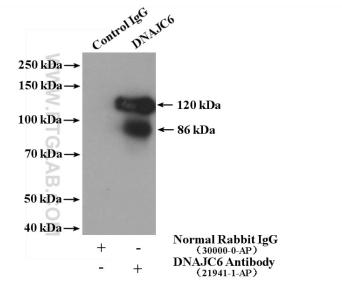
## Selected Validation Data



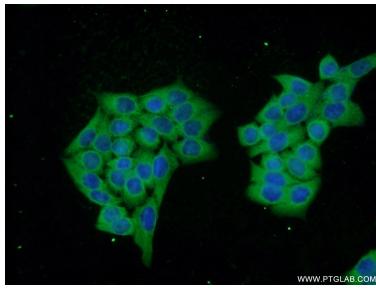
Various lysates were subjected to SDS PAGE followed by western blot with 21941-1-AP (DNAJC6/AUXILIN antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



HeLa cells were subjected to SDS PAGE followed by western blot with 21941-1-AP (DNAJC6/AUXILIN antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



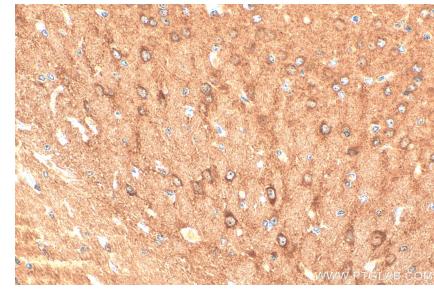
IP result of anti-DNAJC6/AUXILIN (IP:21941-1-AP, 4ug; Detection:21941-1-AP 1:2000) with mouse brain tissue lysate 4000 ug.



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).