

For Research Use Only

DNAJC6/AUXILIN Polyclonal antibody



Catalog Number: 21941-1-AP **2 Publications**

Basic Information

Catalog Number: 21941-1-AP	GenBank Accession Number: BC109279	Purification Method: Antigen affinity purification
Size: 900 µg/ml	GeneID (NCBI): 9829	Recommended Dilutions: WB 1:5000-1:50000
Source: Rabbit	UNIPROT ID: O75061	IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: DnaJ (Hsp40) homolog, subfamily C, member 6	IHC 1:20-1:200 IF 1:20-1:200
Immunogen Catalog Number: AG16612	Calculated MW: 970 aa, 106 kDa	
	Observed MW: 100-120 kDa, 86 kDa	

Applications

Tested Applications: IF/ICC, IHC, IP, WB, ELISA	Positive Controls: WB: mouse brain tissue, HeLa cells, human brain tissue, mouse cerebellum tissue, rat brain tissue
Cited Applications: WB	IP: mouse brain tissue,
Species Specificity: human, mouse, rat	IHC: human brain tissue,
Cited Species: human, mouse	IF: 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

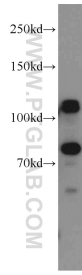
Storage

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

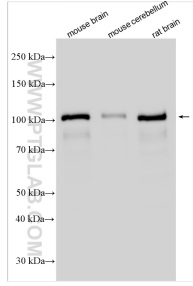
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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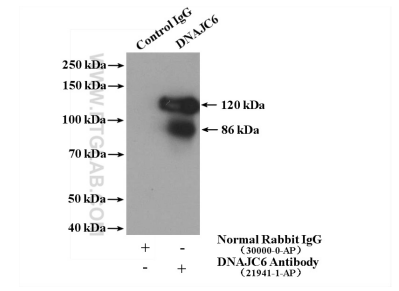
Selected Validation Data



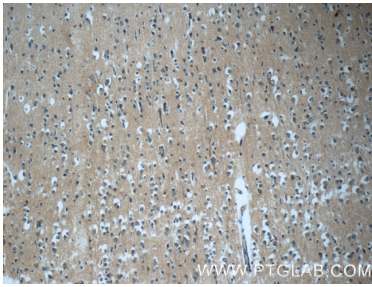
HeLa cells were subjected to SDS PAGE followed by western blot with 21941-1-AP (DNAJC6/AUXILIN antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



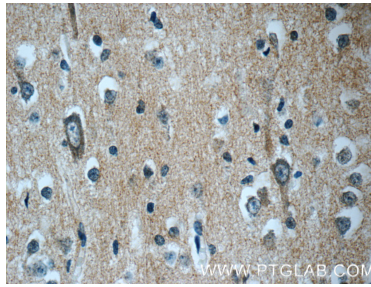
Various lysates were subjected to SDS PAGE followed by western blot with 21941-1-AP (DNAJC6/AUXILIN antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



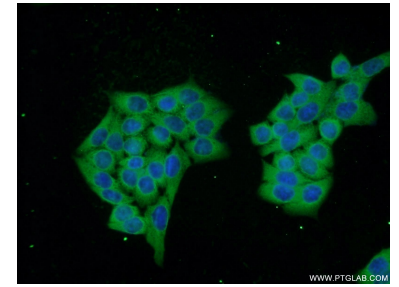
IP result of anti-DNAJC6/AUXILIN (IP:21941-1-AP, 4ug; Detection:21941-1-AP 1:2000) with mouse brain tissue lysate 4000 ug.



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 21941-1-AP (DNAJC6/AUXILIN antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 21941-1-AP (DNAJC6/AUXILIN antibody) at dilution of 1:50 (under 40x lens).



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).