

For Research Use Only

# DNAJC6/AUXILIN Polyclonal antibody, PBS Only

Catalog Number: 21941-1-PBS



## Basic Information

**Catalog Number:**

21941-1-PBS

**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

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, IP, Indirect ELISA

**Species Specificity:**

human, mouse, rat

## 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).

## Storage

**Storage:**

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**

PBS only, pH7.3

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

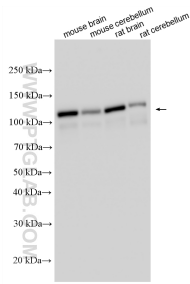
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

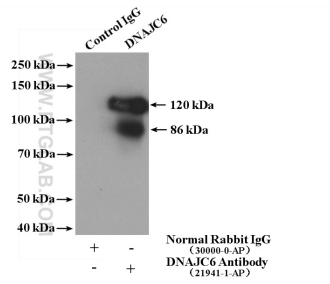
W: [ptgcn.com](http://ptgcn.com)

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

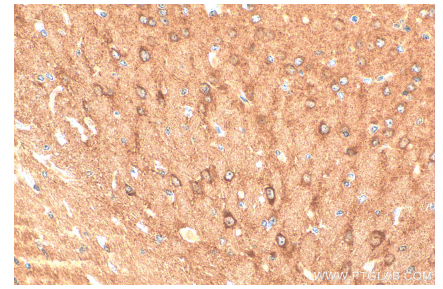
## Selected Validation Data



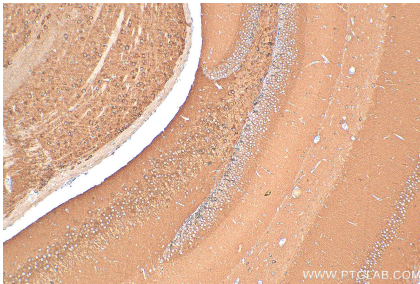
Various lysates were subjected to SDS PAGE followed by western blot with 21941-1-AP (DNAJC6/AUXILIN antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 21941-1-PBS in a different storage buffer formulation.



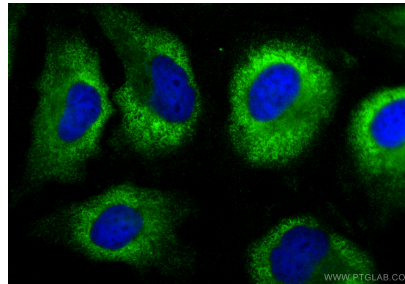
IP result of anti-DNAJC6/AUXILIN (IP:21941-1-AP, 4ug; Detection:21941-1-AP 1:2000) with mouse brain tissue lysate 4000 ug. This data was developed using the same antibody clone with 21941-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 21941-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 21941-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using DNAJC6/AUXILIN antibody (21941-1-AP) at dilution of 1:200 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 21941-1-PBS in a different storage buffer formulation.