

For Research Use Only

DNAJB6 Polyclonal antibody

Catalog Number: 11707-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number:

11707-1-AP

Concentration:

550 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2258

GenBank Accession Number:

BC000177

GeneID (NCBI):

10049

UNIPROT ID:

O75190

Full Name:

DnaJ (Hsp40) homolog, subfamily B, member 6

Calculated MW:

241 aa, 27 kDa

Observed MW:

27 kDa, 38 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 1:200-1:800

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : HEK-293 cells, HeLa cells, Y79 cells, mouse brain tissue, mouse testis tissue, rat brain tissue, Jurkat cells, SH-SY5Y cells

IP : mouse brain tissue,

IHC : human colon cancer tissue,

IF/ICC : SH-SY5Y 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

DNAJB6, belongs to the heat shock protein 40 (HSP40) family, a noncanonical member of the DNAJ-chaperone family, is mainly expressed in neurons. It plays an important role in recovery from misfolded protein aggregates (PMID: 27276715). As seen by the western blot stained for DNAJB6, there are 2 splice forms of the protein resulting in a longer isoform (38 kDa) and a shorter one (27 kDa). DNAJB6 (27 kDa) isoform but not DNAJB6 (38 kDa) isoform is effective with suppressing cytoplasmic protein aggregation (PMID:20159555).

Notable Publications

Author	Pubmed ID	Journal	Application
Qianxing Zou	34825148	iScience	WB,IF
Jonas Folke	34334418	J Parkinsons Dis	WB,IHC,IF
Qianxing Zou	35600921	STAR Protoc	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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

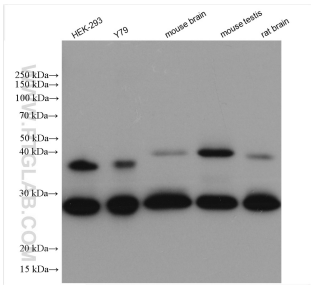
T: 4006900926

E: Proteintech-CN@ptglab.com

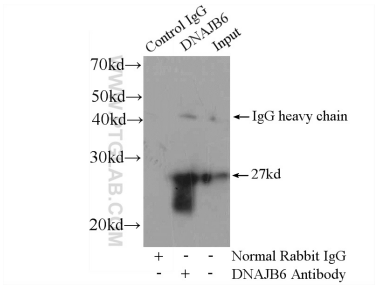
W: ptgcn.com

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

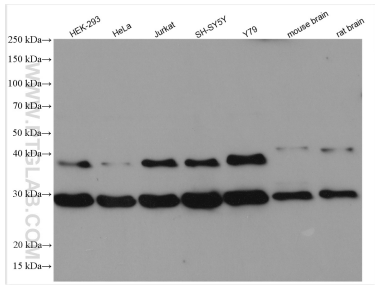
Selected Validation Data



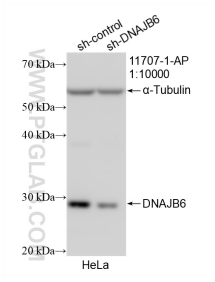
Various lysates were subjected to SDS PAGE followed by western blot with 11707-1-AP (DNAJB6 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



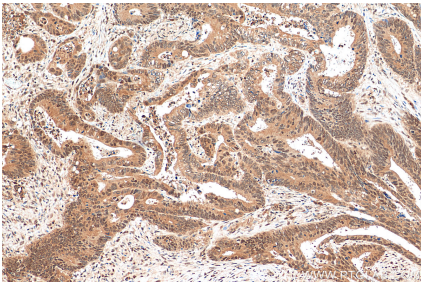
IP result of anti-DNAJB6 (IP:11707-1-AP, 4ug; Detection:11707-1-AP 1:800) with mouse brain tissue lysate 4000ug.



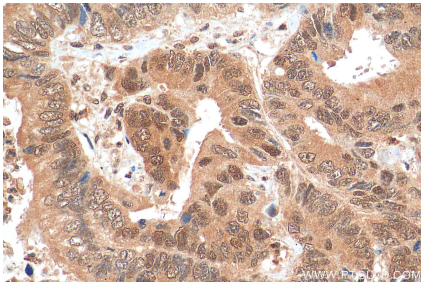
Various lysates were subjected to SDS PAGE followed by western blot with 11707-1-AP (DNAJB6 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



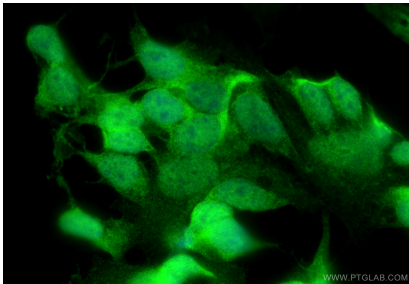
WB result of DNAJB6 antibody (11707-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DNAJB6 transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11707-1-AP (DNAJB6 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11707-1-AP (DNAJB6 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using DNAJB6 antibody (11707-1-AP) at dilution of 1:400 and Multi-Ab CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).