

For Research Use Only

DNAJB6 Polyclonal antibody

Catalog Number: 11707-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number:

11707-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop;

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

*** 20ul sizes contain 0.1% BSA

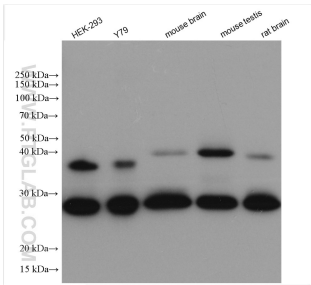
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

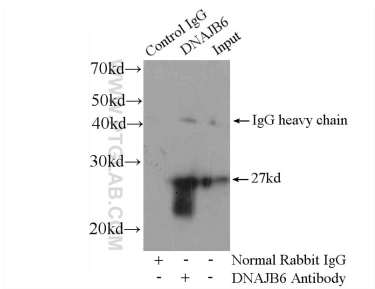
E: proteintech@ptglab.com
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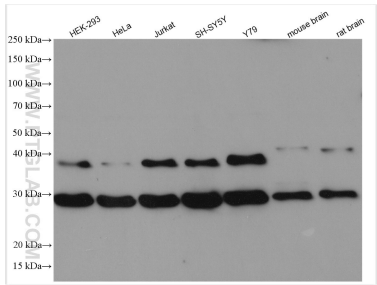
Selected Validation Data



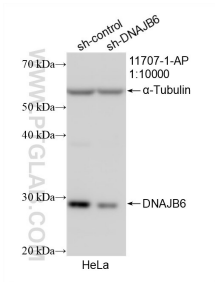
Various lysates were subjected to SDS PAGE followed by western blot with 11707-1-AP (DNAJB6 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



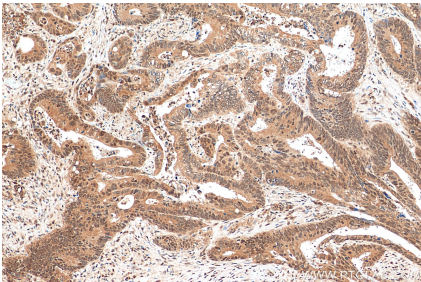
IP result of anti-DNAJB6 (IP:11707-1-AP, 4ug; Detection:11707-1-AP 1:800) with mouse brain tissue lysate 4000ug.



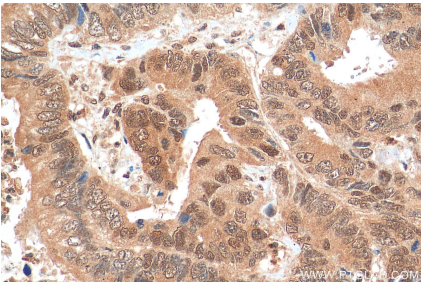
Various lysates were subjected to SDS PAGE followed by western blot with 11707-1-AP (DNAJB6 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



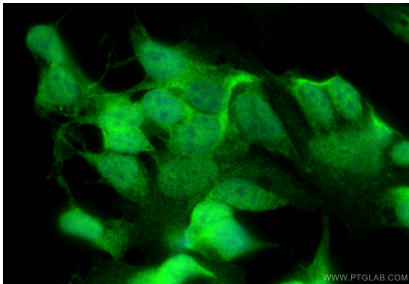
WB result of DNAJB6 antibody (11707-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DNAJB6 transfected HeLa cells.



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-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).