

For Research Use Only

# DNAJB6 Polyclonal antibody

Catalog Number: 11707-1-AP

Featured Product

8 Publications



## Basic Information

<b>Catalog Number:</b> 11707-1-AP	<b>GenBank Accession Number:</b> BC000177	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 180 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10049	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> DnaJ (Hsp40) homolog, subfamily B, member 6	<b>IHC 1:200-1:800</b> <b>IF 1:10-1:100</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 241 aa, 27 kDa	
<b>Immunogen Catalog Number:</b> AG2258	<b>Observed MW:</b> 27 kDa, 38 kDa	

## Applications

**Tested Applications:**  
IF, IHC, IP, WB, ELISA

**Cited Applications:**  
IF, IHC, WB

**Species Specificity:**  
human, mouse, rat

**Cited Species:**  
human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**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:** HepG2 cells,

## 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

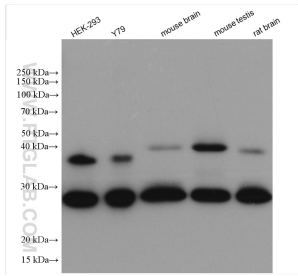
For technical support and original validation data for this product please contact:

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

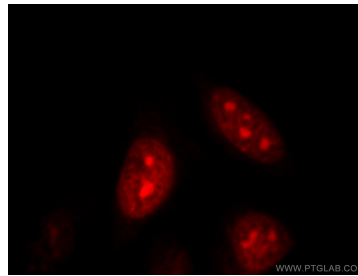
E: proteintech@ptglab.com  
W: ptglab.com

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

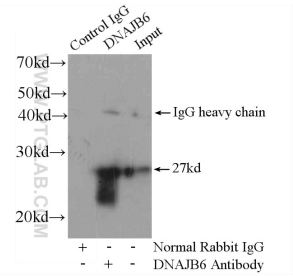
## Selected Validation Data



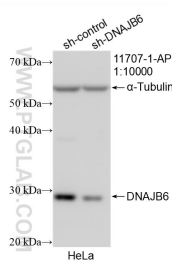
Various lysates were subjected to SDS PAGE followed by western blot with 11707-1-AP (DNAJB6 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



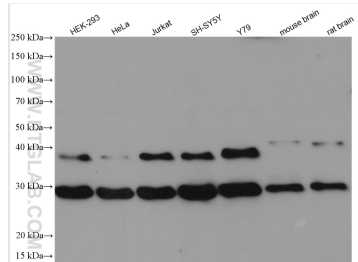
Immunofluorescent analysis of HepG2 cells, using DNAJB6 antibody 11707-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



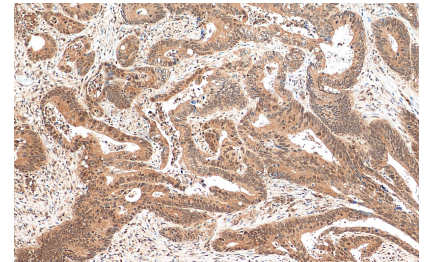
IP Result of anti-DNAJB6 (IP:11707-1-AP, 4 $\mu$ g; Detection:11707-1-AP 1:800) with mouse brain tissue lysate 4000 $\mu$ g.



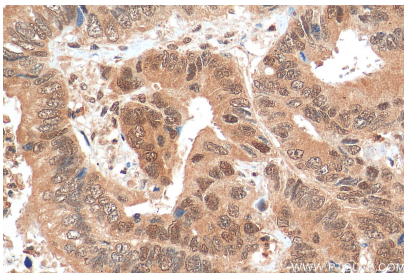
WB result of DNAJB6 antibody (11707-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DNAJB6 transfected HeLa cells.



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.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11707-1-AP (DNAJB6 antibody) at dilution of 1:400 (under 10 $\times$  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 40 $\times$  lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).