

For Research Use Only

# DNAJB6 Monoclonal antibody

Catalog Number: 66587-1-Ig

Featured Product

4 Publications



## Basic Information

### Catalog Number:

66587-1-Ig

### Size:

150ul, Concentration: 2100 ug/ml by 10049  
Nanodrop and 1000 ug/ml by Bradford  
method using BSA as the standard;

### Source:

Mouse

### Isotype:

IgG1

### 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:

Protein G purification

### CloneNo.:

1A1D2

### Recommended Dilutions:

WB 1:2000-1:8000

IHC 1:500-1:2000

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

Human, Mouse, Rat, Pig

### Cited Species:

human

**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** : Jurkat cells, HEK-293 cells, HSC-T6 cells, Neuro-2a  
cells, pig brain tissue, rat brain tissue, mouse brain  
tissue, HeLa cells

**IHC** : human testis tissue, mouse brain tissue

## 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). The antibody 66587-1-Ig recognizes both isoforms.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yu-Juan Jiang	36571988	Transl Oncol	IHC
Jónvá Hentze	39228066	Glia	IF
Di Wang	39335495	Biomedicines	WB,IHC

## 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

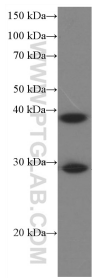
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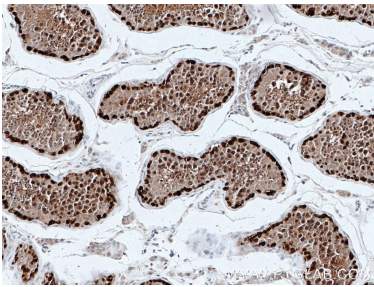
E: proteintech@ptglab.com  
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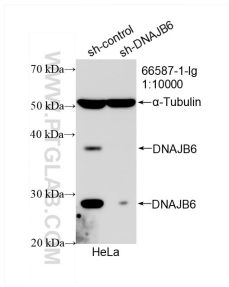
Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 66587-1-Ig (DNAJB6 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 66587-1-Ig (DNAJB6 antibody) at dilution of 1:1000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of DNAJB6 antibody (66587-1-Ig; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DNAJB6 transfected HeLa cells.