

For Research Use Only

# DNAJB6 Monoclonal antibody

Catalog Number: 66587-1-Ig

Featured Product

2 Publications



## Basic Information

**Catalog Number:**

66587-1-Ig

**Size:**

2100 µg/ml

**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:**

IHC, WB, ELISA

**Cited Applications:**

WB, IHC

**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
Abigail R Esquivel	37852393	Int J Biol Macromol	WB

## 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

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

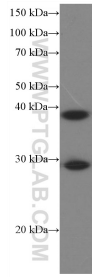
T: 4006900926

E: Proteintech-CN@ptglab.com

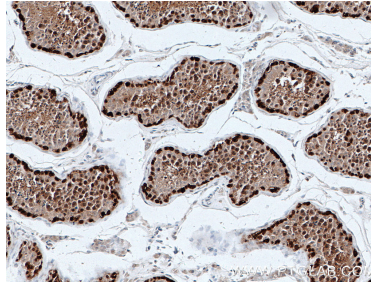
W: ptgcn.com

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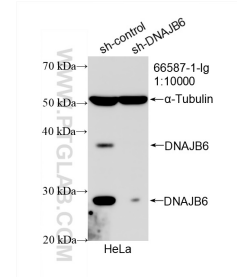
## Selected Validation Data



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.