

For Research Use Only

# DNAJB6 Monoclonal antibody

Catalog Number: 66587-1-Ig

Featured Product

2 Publications



## Basic Information

<b>Catalog Number:</b> 66587-1-Ig	<b>GenBank Accession Number:</b> BC000177	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 2100 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10049	<b>CloneNo.:</b> 1A1D2
<b>Source:</b> Mouse	<b>Full Name:</b> DnaJ (Hsp40) homolog, subfamily B, member 6	<b>Recommended Dilutions:</b> WB 1:2000-1:8000 IHC 1:500-1:2000
<b>Isotype:</b> IgG1	<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:

IHC, WB, ELISA

### Cited Applications:

IHC, WB

### 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

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

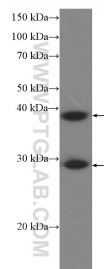
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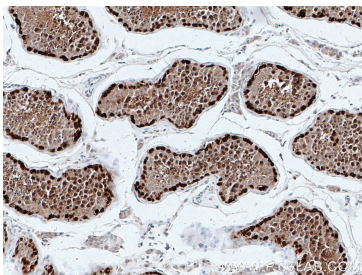
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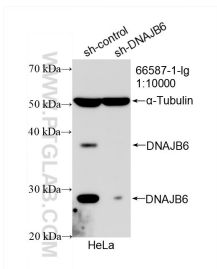
Selected Validation Data



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.