

For Research Use Only

DNAJB6 Monoclonal antibody

Catalog Number: 66587-1-Ig

Featured Product

4 Publications



Basic Information

Catalog Number: 66587-1-Ig	GenBank Accession Number: BC000177	Purification Method: Protein G purification
Size: 150ul, Concentration: 2100 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10049	CloneNo.: 1A1D2
Source: Mouse	UNIPROT ID: O75190	Recommended Dilutions: WB 1:2000-1:8000 IHC 1:500-1:2000
Isotype: IgG1	Full Name: DnaJ (Hsp40) homolog, subfamily B, member 6	
Immunogen Catalog Number: AG2258	Calculated MW: 241 aa, 27 kDa	
	Observed MW: 27 kDa, 38 kDa	

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

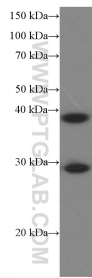
For technical support and original validation data for this product please contact:

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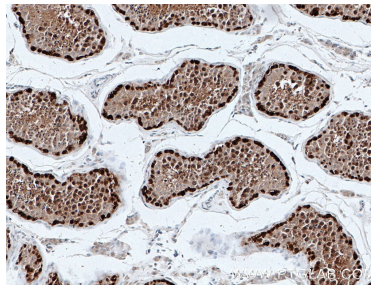
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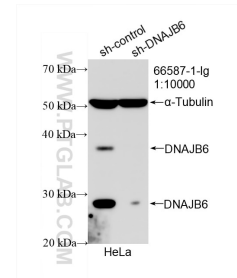
Selected Validation Data



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.