

Product Datasheet

DNAJB6 Antibody (2C11-C1) - Azide and BSA Free H00010049-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00010049-M01

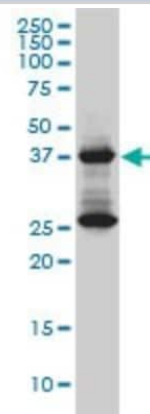
DNAJB6 Antibody (2C11-C1) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2C11-C1
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Host	Mouse
Gene ID	10049
Gene Symbol	DNAJB6
Species	Human
Reactivity Notes	Other species not tested.
Specificity/Sensitivity	DNAJB6 - DnaJ (Hsp40) homolog, subfamily B, member 6
Immunogen	DNAJB6 (AAH00177, 1 a.a. ~ 241 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MVDYYEVLGVQRHASPEDIKKAYRKLALKWHPDKNPENKEEAERKFKQVAEA YEVLSDAKKRDIYDKYGKEGLNGGGGGGSHFDSPFEFGFTFRNPDDVFREFF GGRDPFSFDFFEDPFEDFFGNRRGPRGSRSRGTGSFFSAFSGFSPFGSGFSS FDTGFTSFGSLGHGGLTSFSSTSFSGSGMGNFKSISTSTKMVNGRKITTKRIVE NGQERVEVEEDGQLKSLTINGKEQLLRDNL
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, ICC/IF (Negative)
Recommended Dilutions	Western Blot 1:500, ELISA 1:100-1:2000, Immunohistochemistry, ICC/IF (Negative)
Application Notes	Use in IHC reported in scientific literature (PMID:33557929) Antibody reactive against cell lysate, transfected lysate and recombinant protein for Western Blot. Has also been used for immunofluorescence and ELISA. Use in Immunohistochemistry-Frozen reported in scientific literature (PMID:31955980).

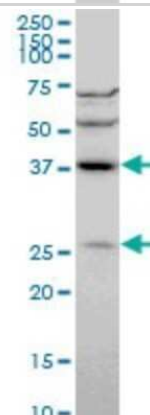


Images

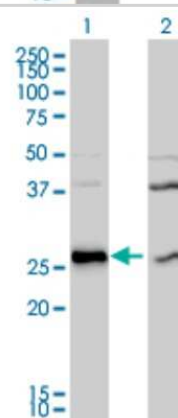
Western Blot: DNAJB6 Antibody (2C11-C1) [H00010049-M01] - DNAJB6 monoclonal antibody (M01), clone 2C11-C1 Analysis of DNAJB6 expression in Jurkat.



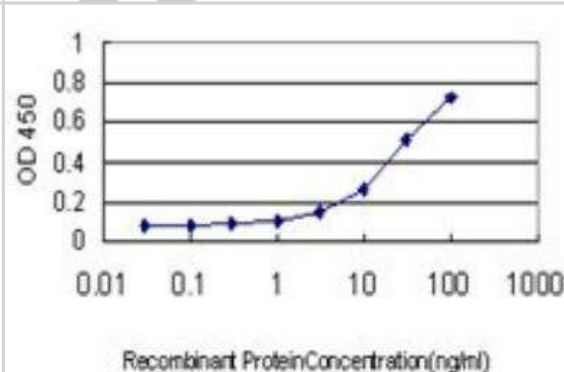
Western Blot: DNAJB6 Antibody (2C11-C1) [H00010049-M01] - DNAJB6 monoclonal antibody (M01), clone 2C11-C1. Analysis of DNAJB6 expression in C32.



Western Blot: DNAJB6 Antibody (2C11-C1) [H00010049-M01] - Analysis of DNAJB6 expression in transfected 293T cell line by DNAJB6 monoclonal antibody (M01), clone 2C11-C1. Lane 1: DNAJB6 transfected lysate(27 KDa). Lane 2: Non-transfected lysate.



ELISA: DNAJB6 Antibody (2C11-C1) [H00010049-M01] - Detection limit for recombinant GST tagged DNAJB6 is approximately 1ng/ml as a capture antibody.



Publications

Folke J, Arkan S, Martinsson I et al. DNAJB6b is Downregulated in Synucleinopathies Journal of Parkinson's Disease 2021-10-12 [PMID: 34334418]

Qian FY, Guo YD, Zu J et al. A novel recessive mutation affecting DNAJB6a causes myofibrillar myopathy Acta neuropathologica communications 2021-02-08 [PMID: 33557929] (IF/IHC, Human)

Palmio J, Jonson PH, Inoue M et al. Mutations in the J domain of DNAJB6 cause dominant distal myopathy Neuromuscul. Disord. 2019-11-19 [PMID: 31955980] (IHC-Fr, Human)

Hong YM, Hong Y, Choi YG et al. The Short Isoform of DNAJB6 Protects against 1-Methyl-4-phenylpyridinium Ion-Induced Apoptosis in LN18 Cells via Inhibiting Both ROS Formation and Mitochondrial Membrane Potential Loss. Oxid Med Cell Longev 2017-02-09 [PMID: 28280525]

Ding Y, Long PA, Bos JM et al. A modifier screen identifies DNAJB6 as a cardiomyopathy susceptibility gene. JCI Insight 2016-09-08 [PMID: 27642634] (WB)

Edo De Bock C, Lin Z, Mekkawy AH et al. Interaction between urokinase receptor and heat shock protein MRJ enhances cell adhesion. Int J Oncol. 2010-05-01 [PMID: 20372789]

Bengoechea R, Pittman SK, Tuck EP et al. Myofibrillar disruption and RNA-binding protein aggregation in a mouse model of limb-girdle muscular dystrophy 1D. Hum. Mol. Genet. 2015-09-11 [PMID: 26362252] (WB, Human)

Blandin G, Marchand S, Charton K et al. A human skeletal muscle interactome centered on proteins involved in muscular dystrophies: LGMD interactome. Skelet Muscle 2013-02-15 [PMID: 23414517] (WB, Human)

Stein KC, Bengoechea R, Harms MB et al. Myopathy-Causing Mutations in an Hsp40 Chaperone Disrupt Processing of Specific Client Conformers. J. Biol. Chem. 2014-06-11 [PMID: 24920671] (WB, Human)

Details:

Used in WB at 1:500 dilution; Figure 6 C - Extracts of HeLa cells transfected with various DNAJB6b constructs or untransfected cells/control processed for WB with TDP-43, DNAJB6b, HSP70 and GAPDH antibodies. Figure 7C - WB of DNAJB6b and GAPDH on fibroblasts from three independent disease control patients (C1, C2, C3) having sporadic amyotrophic lateral sclerosis and three different patients from the same family having the DNAJB6-F93L mutation (P1, P2, P3).





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NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP1-50943-0.01mg	Recombinant Human DNAJB6 His Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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