

Product Datasheet

Tafazzin/TAZ Antibody (1B10) - Azide and BSA Free H00006901-M12

Unit Size: 0.1 mg

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

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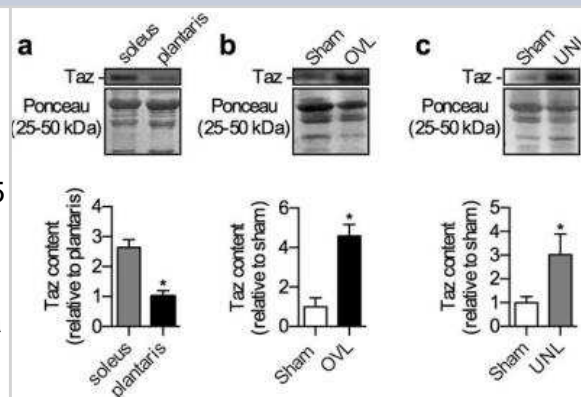
H00006901-M12

Tafazzin/TAZ Antibody (1B10) - Azide and BSA Free

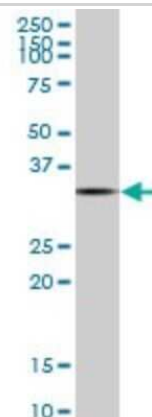
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1B10
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	6901
Gene Symbol	TFAZZIN
Species	Human, Mouse, Rat
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 28515468).
Specificity/Sensitivity	TAZ (1B10)
Immunogen	TAZ (AAH11515, 1 a.a. ~ 262 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MPLHVKWPFPAPPLTWTLASSVVMGLVGTYSFCWTSEWAQAEAGPPGYPC PAGGILKLRHIWNLKLMRWTPAAADICFTKELHSHFFSLGKCVPCRGDGVYQ KGMDFILEKLNHGDWVHIFPEGIGRLIAECHLNPIILPLWHVGEPPGDGDMAS GVGGLGLPLVPGCPAPPHVWPSVHCAAGMNDVLPNSPPYFPRFGQKITVLIGK PFSALPVLRLRAENKSAVEMRKALTDIFIQEEFQHLKTQAEQLHNHLQPGR
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Application Notes	Antibody reactivity against cell lysate, tissue lysate and recombinant protein for WB. It has been used for ELISA.

Images

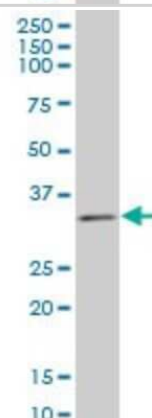
Western Blot: Tafazzin/TAZ Antibody (1B10) [H00006901-M12] - Taz protein expression is higher in the soleus compared with plantaris and is upregulated in response to both overload (OVL) and unload (UNL) stimuli. (a) Taz protein expression (~27 kDa) in the sham plantaris and soleus muscles. (b) Taz protein in the OVL plantaris compared with sham. (c) Taz protein in the UNL soleus compared with sham. * $p \leq 0.05$ using a Student's t-test (a, two-tailed) or paired t-test (b and c, two-tailed), $n = 6$ per group. Please refer to Fig. S4 for full length Western blots. Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/28515468>) licensed under a CC-BY license.



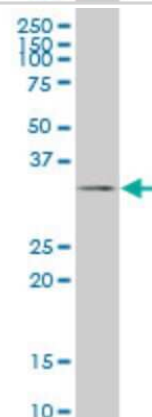
Western Blot: Tafazzin/TAZ Antibody (1B10) [H00006901-M12] - Analysis of TAZ expression in PC-12 (Cat # L012V1).



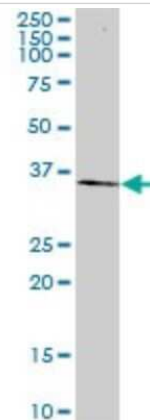
Western Blot: Tafazzin/TAZ Antibody (1B10) [H00006901-M12] - Analysis of TAZ expression in SW-13 (Cat # L005V1).



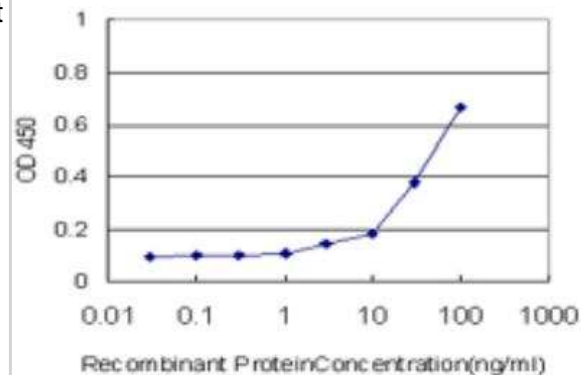
Western Blot: Tafazzin/TAZ Antibody (1B10) [H00006901-M12] - Analysis of TAZ expression in human uterus myoma.



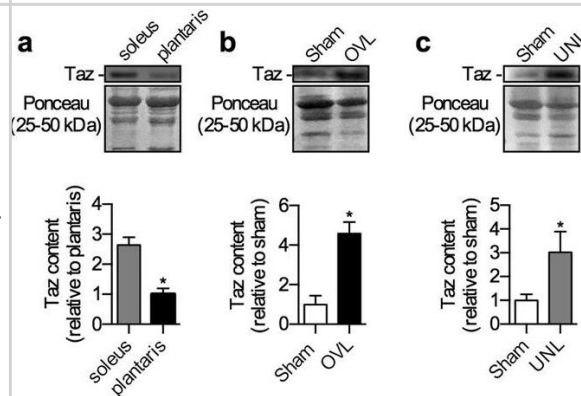
Western Blot: Tafazzin/TAZ Antibody (1B10) [H00006901-M12] - Analysis of TAZ expression in human kidney.



ELISA: Tafazzin/TAZ Antibody (1B10) [H00006901-M12] - Detection limit for recombinant GST tagged TAZ is approximately 3ng/ml as a capture antibody.



Western Blot: Tafazzin/TAZ Antibody (1B10) [H00006901-M12] - Taz protein expression is higher in the soleus compared with plantaris & is upregulated in response to both overload (OVL) & unload (UNL) stimuli. (a) Taz protein expression (~27 kDa) in the sham plantaris & soleus muscles. (b) Taz protein in the OVL plantaris compared with sham. (c) Taz protein in the UNL soleus compared with sham. * $p \leq 0.05$ using a Student's t-test (a, two-tailed) or paired t-test (b & c, two-tailed), $n = 6$ per group. Please refer to Fig. S4 for full length Western blots. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/28515468>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Elkes M The temporal relationship between cardiolipin biosynthesis and remodeling enzymes and cardiolipin content during unloading atrophy in mouse soleus Thesis 2022-01-01

Val Fajardo, John Mikhaeil, Cameron Leveille et al. Cardiolipin content, linoleic acid composition, and tafazzin expression in response to skeletal muscle overload and unload stimuli. *Sci Rep.* [PMID: 28515468] (WB, Mouse)

Raghunathan VK, Morgan JT, Dreier B et al. Role of substratum stiffness in modulating genes associated with extracellular matrix and mechanotransducers YAP and TAZ. *Invest Ophthalmol Vis Sci.* 2013-01-14 [PMID: 23258147]

Thomasy SM, Morgan JT, Wood JA et al. Substratum stiffness and latrunculin B modulate the gene expression of the mechanotransducers YAP and TAZ in human trabecular meshwork cells. *Exp Eye Res.* 2013-05-29 [PMID: 23727052]

Raghunathan VK, Dreier B, Morgan JT et al. Involvement of YAP, TAZ and HSP90 in Contact Guidance and Intercellular Junction Formation in Corneal Epithelial Cells. *PLoS One.* 2014-10-07 [PMID: 25290150]

Li J, Fang L, Yu W, Wang Y. MicroRNA-125b suppresses the migration and invasion of hepatocellular carcinoma cells by targeting transcriptional coactivator with PDZ-binding motif *Oncology Letters.* 2015-01-01 [PMID: 25789078] (WB, Human)

Details:

Tafazzin/TAZ antibody was used at 1:1500 dilution with 2 hour incubation at 37C for WB application on lysates of SK-Hep-1 cells transfected with si-TAZ or TAZ plasmid lacking 3'UTR along with miR-125b (Figure 4A), and on cells overexpressing TAZ and/or miR-125b (Figure 4B). WB was also performed on SK-Hep-1 cells overexpressing miR-125b and Huh7 cells treated or not with miR-125b inhibitor (Figure 3).





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Products Related to H00006901-M12

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
H00006901-P01-10ug	Recombinant Human Tafazzin/TAZ GST (N-Term) 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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