

Product Datasheet

TBX5 Antibody (1G10) - Azide and BSA Free H00006910-M01

Unit Size: 0.1 mg

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

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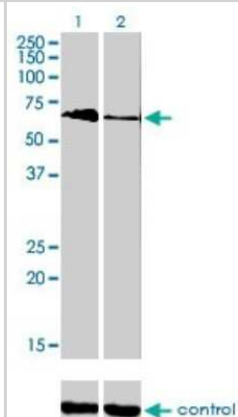
H00006910-M01

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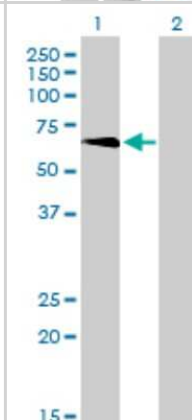
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1G10
Preservative	No Preservative
Isotype	IgG1 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	6910
Gene Symbol	TBX5
Species	Human, Mouse, Fish, Monkey
Specificity/Sensitivity	TBX5 - T-box 5
Immunogen	TBX5 (AAH27942, 402 a.a. ~ 518 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. PSMPSYSSCTVTTVQPMDRLPYQHFSAHFTSGPLVPRLAGMANHGSPQLGEG MFQHQTSAHQPVVRQCGPQTGLQSPGTLQPPEFLYSHGVPRTLSPHQYHS VHGVGMVPEWSDNS
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Knockdown Validated
Recommended Dilutions	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Knockdown Validated
Application Notes	Antibody reactivity against recombinant protein for WB. It has been used for RNAi Validation and ELISA.

Images

Western Blot: TBX5 Antibody (1G10) [H00006910-M01] - Analysis of TBX5 over-expressed 293 cell line, cotransfected with TBX5 Validated Chimera RNAi (Cat # H00006910-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with TBX5 monoclonal antibody (M01), clone 1G10 (Cat # H00006910-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot: TBX5 Antibody (1G10) [H00006910-M01] - Analysis of TBX5 expression in transfected 293T cell line by TBX5 monoclonal antibody (M01), clone 1G10. Lane 1: TBX5 transfected lysate (57.7 kDa). Lane 2: Non-transfected lysate.



Publications

Ghosh T, Aparicio-Sanchez J, Buxton S et al. HDAC4 and 5 repression of TBX5 is relieved by protein kinase D1. *Sci Rep.* 2019-11-29 [PMID: 31784580]

L Drakhlis, S Biswanath, CM Farr, V Lupanow, J Teske, K Ritzenhoff, A Franke, F Manstein, E Bolesani, H Kempf, S Liebscher, K Schenke-La, J Hegermann, L Nolte, H Meyer, J de la Roch, S Thiemann, C Wahl-Schot, U Martin, R Zweigerdt Human heart-forming organoids recapitulate early heart and foregut development *Nature Biotechnology*, 2021-02-08;0(0):. 2021-02-08 [PMID: 33558697]

Halbert D, Domenyuk V, Spetzler D et al. Aptamers and uses thereof United States Patent Application US 9958448 B2 2018-01-01

Hartung S, Schwanke K, Haase A et al. Directing cardiomyogenic differentiation of human pluripotent stem cells by plasmid-based transient overexpression of cardiac transcription factors. *Stem Cells Dev.* 2013-01-18 [PMID: 23157212]

Baban A, Pitto L, Pulignani S et al. Holt-Oram syndrome with intermediate atrioventricular canal defect, and aortic coarctation: Functional characterization of a de novo TBX5 mutation. *Am J Med Genet A.* 2014-03-24 [PMID: 24664498]

Ghosh TK, Song FF, Packham EA et al. Physical interaction between TBX5 MEF2C is required for early heart development. *Mol Cell Biol* 29(8):2205-18. 2009-04-01 [PMID: 19204083]



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Products Related to H00006910-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
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)
NBP2-55931PEP	TBX5 Recombinant Protein Antigen

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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