T-Box 1 (TBX1) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	T-box 1 (Tbx1), Polyclonal Antibody
Full Product Name	T-box 1 (Tbx1, T-box family of transcription factors) (FITC)
Product Gene Name	anti-Tbx1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservatives added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by epitope affinity chromatography.
Specificity	Recognizes mouse T-box 1 protein. On Western blots, a ~50kD band is identified in mouse testis, lung, and skeletal muscle homogenates. In mouse testis, an additional band at ~40kD, which may represent an isoform of Tbox 1, is also identified. Reactivity has been confirmed with mouse testis, lung, and skeletal muscle tissue homogenates. Species sequence homology: three isoforms (A, B, C) of human T-box 1: 98%.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer.
Molecular Weight	51,668 Da
3D Structure	ModBase 3D Structure for P70323
Immunogen	Synthetic peptide corresponding to the internal region of the mouse T-box 1 (Tbx1) protein.
Conjugate	FITC
Note	Preservative Free
Product Categories/Family for anti-Tbx1 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-Tbx1 antibody	Immunohistochemistry (IHC) Paraffin, Immunoprecipitation (IP), Western Blot (WB)
Application Notes for anti-Tbx1 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-Tbx1 antibody	MBS6502165 is an antibody targeting Tbx1. Also known as T-box 1 (Tbx1, T-box family of transcription factors) (FITC). Reactive in Mouse. Host: Rabbit.
Product References and Citations for anti-Tbx1 antibody	1. Bollag RJ, et al. Nat Genet 7:383-389, 1994. 2. Bulfone A, et al. Neuron 15:63-78, 1995. 3. Chapman DL, et al. Developmental Dynamics 206:379-390, 1996. 4. Chieffo C, et al. Genomics 43:267-277, 1997. 5. Lindsay EA, et al. Nature 410:97-101, 2001. 6. Jerome LA, Papaioannou VE. Nat Genet 27(3):286-291, 2001. 7. Epstein JA. Trends Genet 17(10):S13-17, 2001. 8. Funke B, et al. Hum Mol Genet 10(22):2549-2556, 2001. 9. Vitelli F, et al. Hum Mol Genet 11(8):915-922, 2002.
Other Notes	Small volumes of anti-Tbx1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Tbx1. It may not necessarily be applicable to this product.

NCBI GI #	22094109
NCBI GeneID	21380
NCBI Accession #	NP_035662.1
UniProt Primary Accession #	P70323
UniProt Secondary Accession #	Q60706; Q99MP0; Q99P22
UniProt Related Accession #	P70323
GenBank Nucleotide #	NM_011532.2
NCBI Official Full Name	T-box transcription factor TBX1 isoform 1
NCBI Official Synonym Full Names	T-box 1
NCBI Official Symbol	Tbx1
UniProt Protein Name	T-box transcription factor TBX1
UniProt Synonym Protein Names	Testis-specific T-box protein
Protein Family	T-box transcription factor
UniProt Gene Name	Tbx1
UniProt Synonym Gene Names	T-box protein 1
UniProt Entry Name	TBX1_MOUSE
NCBI Protein Information	T-box transcription factor TBX1; T-box protein 1; testis-specific T-box protein
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