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TBX6 Antibody (monoclonal) (M06)

Mouse monoclonal antibody raised against a partial recombinant TBX6.
Catalog # AT4172a

Product Information

Application	WB, IF
Primary Accession	O95947
Other Accession	NM_004608
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1D11
Calculated MW	47045

Additional Information

Gene ID	6911
Other Names	T-box transcription factor TBX6, T-box protein 6, TBX6
Target/Specificity	TBX6 (NP_004599, 191 a.a. ~ 299 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	TBX6 Antibody (monoclonal) (M06) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

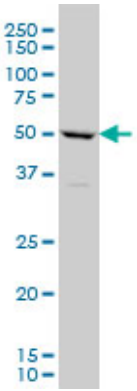
This gene is a member of a phylogenetically conserved family of genes that share a common DNA-binding domain, the T-box. T-box genes encode transcription factors involved in the regulation of developmental processes. Knockout studies in mice indicate that this gene is important for specification of paraxial mesoderm structures.

References

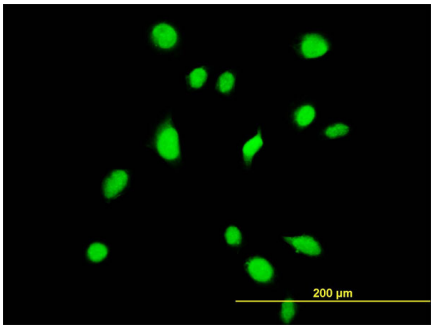
The association analysis of TBX6 polymorphism with susceptibility to congenital scoliosis in a Chinese Han population. Fei Q, et al. Spine (Phila Pa 1976), 2010 Apr 20. PMID 20228709.A missense T (Brachyury) mutation contributes to vertebral malformations. Ghebranious N, et al. J Bone Miner Res, 2008 Oct. PMID

18466071.Transcriptional repression by the T-box proteins Tbx18 and Tbx15 depends on Groucho corepressors. Farin HF, et al. J Biol Chem, 2007 Aug 31. PMID 17584735.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.Complete sequencing and characterization of 21,243 full-length human cDNAs. Ota T, et al. Nat Genet, 2004 Jan. PMID 14702039.

Images



TBX6 monoclonal antibody (M06), clone 1D11 Western Blot analysis of TBX6 expression in HeLa (Cat # L013V1).



Immunofluorescence of monoclonal antibody to TBX6 on HeLa cell. [antibody concentration 35 ug/ml]

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.