

**TBX6 Antibody (monoclonal) (M06)**

Mouse monoclonal antibody raised against a partial recombinant TBX6.

Catalog # AT4172a

**Specification**

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**TBX6 Antibody (monoclonal) (M06) - Product Information**

Application	IF, WB
Primary Accession	<a href="#">O95947</a>
Other Accession	<a href="#">NM_004608</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	47045

**TBX6 Antibody (monoclonal) (M06) - 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

**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.

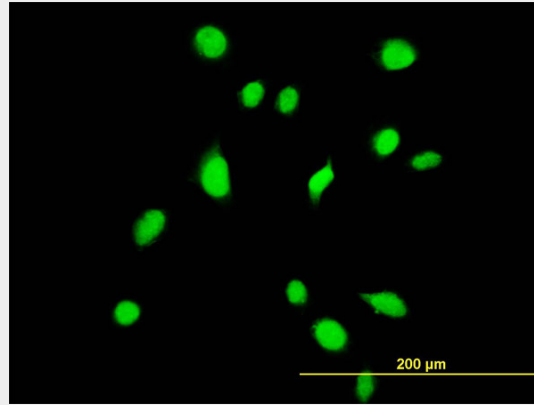
**TBX6 Antibody (monoclonal) (M06) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

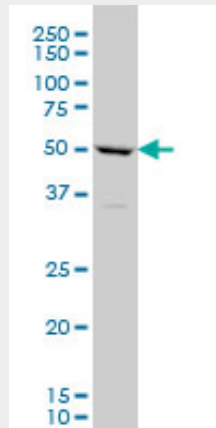
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **TBX6 Antibody (monoclonal) (M06) - Images**



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



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

### **TBX6 Antibody (monoclonal) (M06) - 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.

### **TBX6 Antibody (monoclonal) (M06) - 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.