

**TBX6 Antibody (monoclonal) (M08)****Mouse monoclonal antibody raised against a partial recombinant TBX6.****Catalog # AT4173a****Specification**

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**TBX6 Antibody (monoclonal) (M08) - Product Information**

|                   |                           |
|-------------------|---------------------------|
| Application       | E                         |
| 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) (M08) - 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.

**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) (M08) is for research use only and not for use in diagnostic or therapeutic procedures.

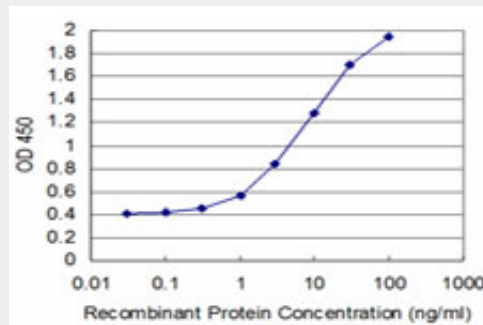
**TBX6 Antibody (monoclonal) (M08) - Protocols**

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) (M08) - Images**



Detection limit for recombinant GST tagged TBX6 is approximately 0.3ng/ml as a capture antibody.

## **TBX6 Antibody (monoclonal) (M08) - 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) (M08) - 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.