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TBX6 Antibody (monoclonal) (M06)

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

Specification

TBX6 Antibody (monoclonal) (M06) - Product Information

Application	**IF, WB**
Primary Accession	O95947
Other Accession	NM_004608
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

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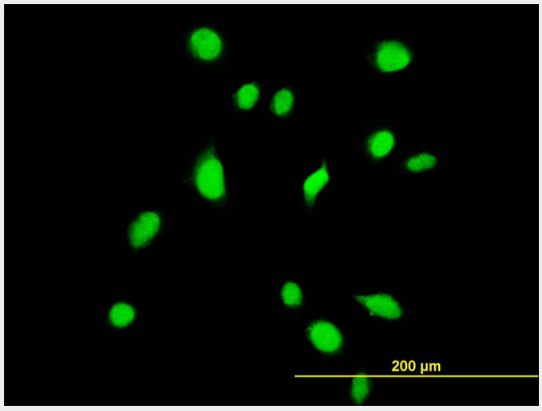
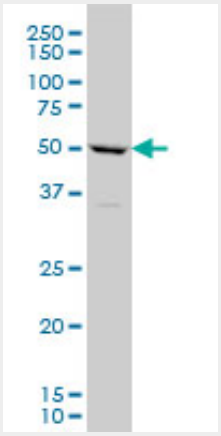
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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.