

**TBX3 Antibody (monoclonal) (M02)****Mouse monoclonal antibody raised against a partial recombinant TBX3.****Catalog # AT4169a****Specification**

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**TBX3 Antibody (monoclonal) (M02) - Product Information**

Application	IF, WB, E
Primary Accession	<a href="#">O15119</a>
Other Accession	<a href="#">NM_005996</a>
Reactivity	Human, Mouse, Rat
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	79389

**TBX3 Antibody (monoclonal) (M02) - Additional Information****Gene ID** 6926**Other Names**

T-box transcription factor TBX3, T-box protein 3, TBX3

**Target/Specificity**

TBX3 (NP\_005987, 311 a.a. ~ 410 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**

TBX3 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

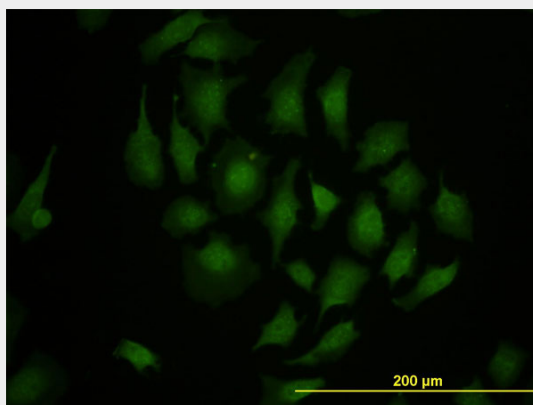
**TBX3 Antibody (monoclonal) (M02) - Protocols**

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

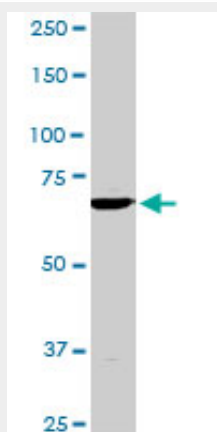
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

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

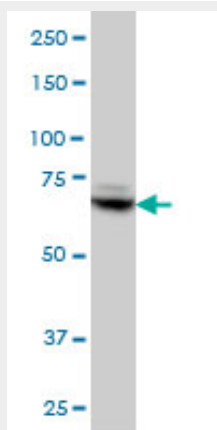
### TBX3 Antibody (monoclonal) (M02) - Images



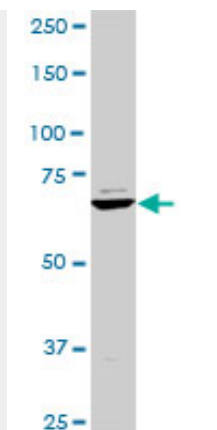
Immunofluorescence of monoclonal antibody to TBX3 on HeLa cell. [antibody concentration 10 ug/ml]



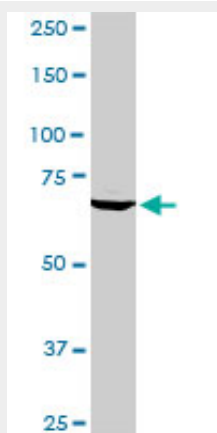
TBX3 monoclonal antibody (M02), clone 8H3. Western Blot analysis of TBX3 expression in PC-12 (Cat # L012V1 ).



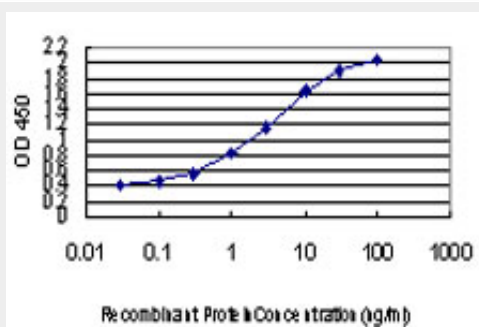
TBX3 monoclonal antibody (M02), clone 8H3 Western Blot analysis of TBX3 expression in IMR-32 (Cat # AT4169a )



TBX3 monoclonal antibody (M02), clone 8H3. Western Blot analysis of TBX3 expression in Raw 264.7 ( (Cat # AT4169a )



TBX3 monoclonal antibody (M02), clone 8H3. Western Blot analysis of TBX3 expression in NIH/3T3 ( (Cat # AT4169a )



Detection limit for recombinant GST tagged TBX3 is approximately 0.03ng/ml as a capture antibody.

### TBX3 Antibody (monoclonal) (M02) - 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. This protein is a transcriptional repressor and is thought to play a role in the anterior/posterior axis of the tetrapod forelimb. Mutations in this gene cause ulnar-mammary syndrome, affecting limb, apocrine gland, tooth, hair, and genital development. Alternative splicing of this gene results in three transcript variants encoding different isoforms; however, the full length nature of one variant has not been determined.

**TBX3 Antibody (monoclonal) (M02) - References**

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086. Recapitulation of two genomewide association studies on blood pressure and essential hypertension in the Korean population. Hong KW, et al. J Hum Genet, 2010 Jun. PMID 20414254. Development of the pacemaker tissues of the heart. Christoffels VM, et al. Circ Res, 2010 Feb 5. PMID 20133910. Genome-wide association study of PR interval. Pfeufer A, et al. Nat Genet, 2010 Feb. PMID 20062060. Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.