

## **MEOX1 Antibody (monoclonal) (M02)**

Mouse monoclonal antibody raised against a partial recombinant MEOX1.

Catalog # AT2843a

### **Specification**

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#### **MEOX1 Antibody (monoclonal) (M02) - Product Information**

Application	WB, E
Primary Accession	<a href="#">P50221</a>
Other Accession	<a href="#">NM_004527</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	27997

#### **MEOX1 Antibody (monoclonal) (M02) - Additional Information**

**Gene ID** 4222

##### **Other Names**

Homeobox protein MOX-1, Mesenchyme homeobox 1, MEOX1, MOX1

##### **Target/Specificity**

MEOX1 (NP\_004518.1, 165 a.a. ~ 252 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**

MEOX1 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

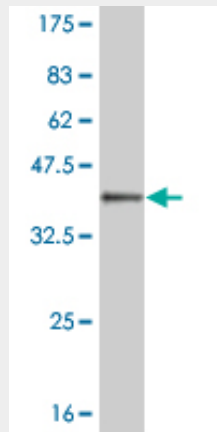
#### **MEOX1 Antibody (monoclonal) (M02) - Protocols**

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

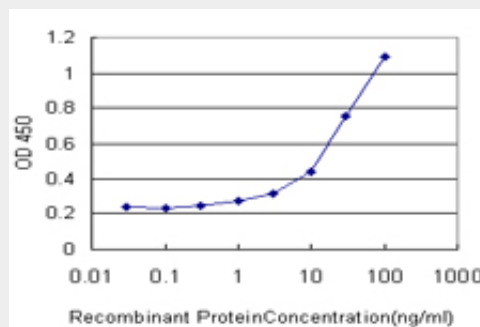
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

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

### **MEOX1 Antibody (monoclonal) (M02) - Images**



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.42 KDa) .



Detection limit for recombinant GST tagged MEOX1 is approximately 0.3ng/ml as a capture antibody.

### **MEOX1 Antibody (monoclonal) (M02) - Background**

This gene encodes a member of a subfamily of non-clustered, diverged, antennapedia-like homeobox-containing genes. The encoded protein may play a role in the molecular signaling network regulating somite development. Alternatively spliced transcript variants encoding different isoforms have been described.

### **MEOX1 Antibody (monoclonal) (M02) - References**

Diaphanospondylodysostosis: six new cases and exclusion of the candidate genes, PAX1 and MEOX1. Vatanavicharn N, et al. *Am J Med Genet A*, 2007 Oct 1. PMID 17764081. The high-mobility-group domain of Sox proteins interacts with DNA-binding domains of many transcription factors. Wissmüller S, et al. *Nucleic Acids Res*, 2006. PMID 16582099. Hedgehog signaling induces cardiomyogenesis in P19 cells. Gianakopoulos PJ, et al. *J Biol Chem*, 2005 Jun 3. PMID 15793308. 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. Disruption of Meox or Gli activity ablates skeletal myogenesis in P19 cells. Petropoulos H, et al. *J Biol Chem*, 2004 Jun 4. PMID 15039437.