

## MEOX1 Antibody (monoclonal) (M07)

Mouse monoclonal antibody raised against a partial recombinant MEOX1.

Catalog # AT2844a

### Product Information

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<b>Application</b>	IF, E
<b>Primary Accession</b>	<a href="#">P50221</a>
<b>Other Accession</b>	<a href="#">NM_004527</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2b Kappa
<b>Clone Names</b>	4B11
<b>Calculated MW</b>	27997

### Additional Information

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<b>Gene ID</b>	4222
<b>Other Names</b>	Homeobox protein MOX-1, Mesenchyme homeobox 1, MEOX1, MOX1
<b>Target/Specificity</b>	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.
<b>Dilution</b>	IF~~1:50~200 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	MEOX1 Antibody (monoclonal) (M07) is for research use only and not for use in diagnostic or therapeutic procedures.

### Background

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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.

### References

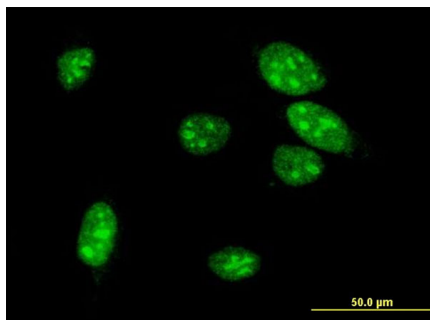
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Diaphanospondylodysostosis: six new cases and exclusion of the candidate genes, PAX1 and MEOX1. Vatanavicharn N, et al. Am J Med Genet A, 2007 Oct 1. PMID 17764081. The high-mobility-group domain of Sox proteins interacts with DNA-binding domains of many transcription factors. Wissmüller S, et al. Nucleic

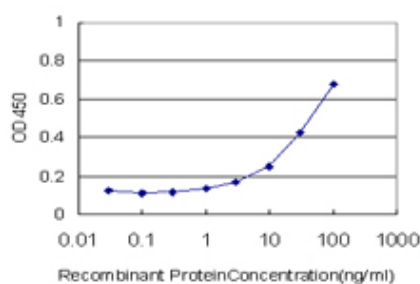
Acids Res, 2006. PMID 16582099. Hedgehog signaling induces cardiomyogenesis in P19 cells. Gianakopoulos PJ, et al. J Biol Chem, 2005 Jun 3. PMID 15793308. The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. 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.

## Images

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Immunofluorescence of monoclonal antibody to MEOX1 on HeLa cell . [antibody concentration 10  $\mu$ g/ml]



Detection limit for recombinant GST tagged MEOX1 is approximately 1 ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.