

MEOX1 Antibody (monoclonal) (M07)

Mouse monoclonal antibody raised against a partial recombinant MEOX1.

Catalog # AT2844a

Product Information

Application	IF, E
Primary Accession	P50221
Other Accession	NM_004527
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	4B11
Calculated MW	27997

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	IF~~1:50~200 E~~N/A
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) (M07) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

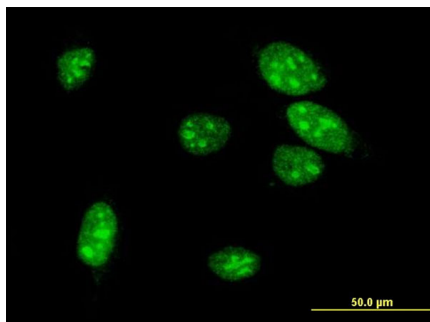
This gene encodes a member of a subfamily of non-clustered, diverged, antennapedia-like homeobox-containing genes. The encoded protein may play a role in the molecular signaling network regulating somite development. Alternatively spliced transcript variants encoding different isoforms have been described.

References

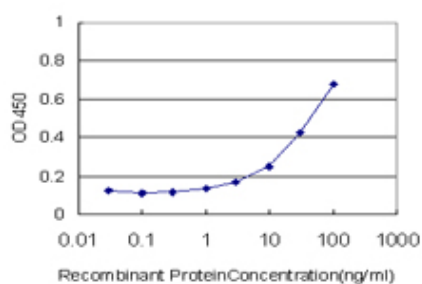
Diaphanospondylodysostosis: six new cases and exclusion of the candidate genes, PAX1 and MEOX1. Vatanavicharn N, et al. Am J Med Genet A, 2007 Oct 1. PMID 17764081. The high-mobility-group domain of Sox proteins interacts with DNA-binding domains of many transcription factors. Wissmüller S, et al. Nucleic

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.

Images



Immunofluorescence of monoclonal antibody to MEOX1 on HeLa cell . [antibody concentration 10 μ 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'.