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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

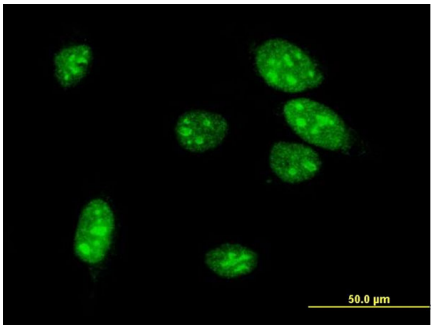
This gene encodes a member of a subfamily of non-clustered, diverged, antennapedia-like homeobox-containing genes. The encoded protein may play a role in the molecular signaling network regulating somite development. Alternatively spliced transcript variants encoding different isoforms have been described.

References

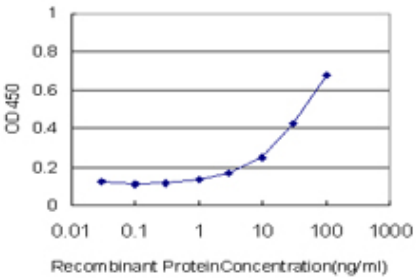
Diaphanospondylodysostosis: six new cases and exclusion of the candidate genes, PAX1 and MEOX1. Vatanavicharn N, et al. Am J Med Genet A, 2007 Oct 1. PMID 17764081.The high-mobility-group domain of Sox proteins interacts with DNA-binding domains of many transcription factors. Wissm?ller S, et al. Nucleic

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 ug/ml]



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

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