

MEOX1 Antibody (monoclonal) (M07)**Mouse monoclonal antibody raised against a partial recombinant MEOX1.****Catalog # AT2844a****Specification**

MEOX1 Antibody (monoclonal) (M07) - Product Information

Application	IF, E
Primary Accession	P50221
Other Accession	NM_004527
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	27997

MEOX1 Antibody (monoclonal) (M07) - 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.

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.

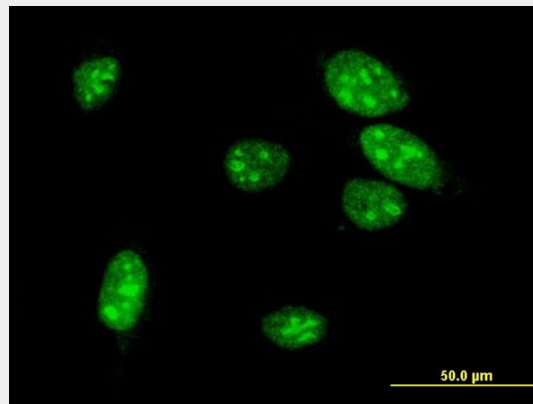
MEOX1 Antibody (monoclonal) (M07) - Protocols

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

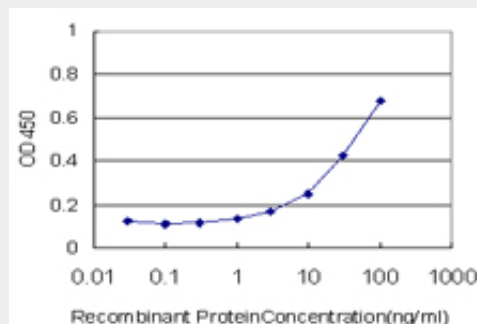
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

MEOX1 Antibody (monoclonal) (M07) - 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.

MEOX1 Antibody (monoclonal) (M07) - 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) (M07) - 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.