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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.

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.

MEOX1 Antibody (monoclonal) (M07) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot

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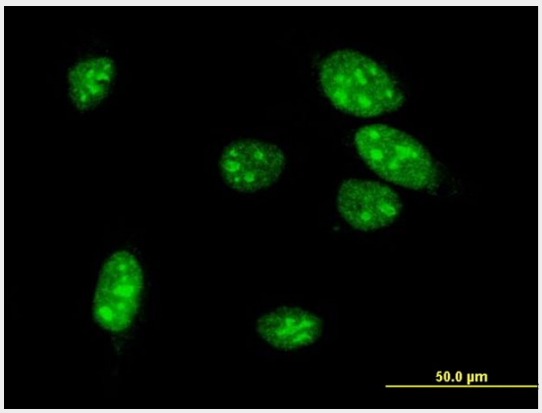
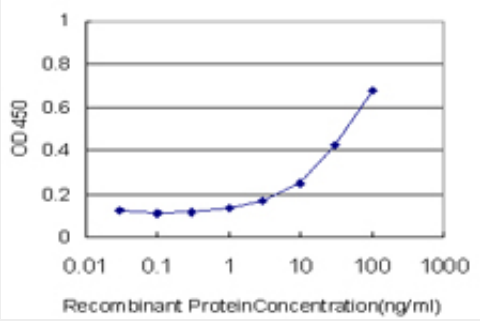
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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. 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.