

Mouse Hoxa10 Antibody(Center) Blocking peptide
Synthetic peptide
Catalog # BP19374c**Specification**

Mouse Hoxa10 Antibody(Center) Blocking peptide - Product InformationPrimary Accession [P31310](#)**Mouse Hoxa10 Antibody(Center) Blocking peptide - Additional Information****Gene ID** 15395**Other Names**

Homeobox protein Hox-A10, Homeobox protein Hox-18, Hoxa10, Hox-18, Hoxa-10

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Mouse Hoxa10 Antibody(Center) Blocking peptide - Protein Information**Name** Hoxa10**Synonyms** Hox-1.8, Hoxa-10**Function**

Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis. Binds to the DNA sequence 5'-AA[AT]TTTTATTAC-3'.

Cellular Location

Nucleus.

Tissue Location

Expressed in the developing limb bud where it is restricted to the mesenchyme along the proximal-distal axis. Also found in developing gut and urogenital tract. In adult tissue, both forms found in kidney but only isoform 1 is expressed in skeletal muscle

Mouse Hoxa10 Antibody(Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

Mouse Hoxa10 Antibody(Center) Blocking peptide - Images

Mouse Hoxa10 Antibody(Center) Blocking peptide - Background

In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. This gene is part of a cluster on chromosome 6 and encodes a DNA-binding transcription factor that may regulate gene expression, morphogenesis, and differentiation. More specifically, it may function in fertility, embryo viability, and regulation of hematopoietic lineage commitment. Alternatively spliced transcript variants encoding different isoforms have been described.

Mouse Hoxa10 Antibody(Center) Blocking peptide - References

Gordon, J.A., et al. Mol. Cell. Biol. 30(14):3531-3541(2010) Das, S.K. Mol. Reprod. Dev. 77(5):387-396(2010) Vinagre, T., et al. Dev. Cell 18(4):655-661(2010) Sadeghi, H., et al. Am. J. Physiol. Endocrinol. Metab. 298 (4), E889-E893 (2010) :Mugford, J.W., et al. Dev. Biol. 333(2):312-323(2009)