

**Mouse Hoxa10 Antibody(Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP19374C**

**Specification**

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**Mouse Hoxa10 Antibody(Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P31310</a>
Other Accession	<a href="#">NP_001116422.1</a>
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	43292
Antigen Region	252-281

**Mouse Hoxa10 Antibody(Center) - Additional Information**

**Gene ID** 15395

**Other Names**

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

**Target/Specificity**

This Mouse Hoxa10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 252-281 amino acids from the Central region of mouse Hoxa10.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Mouse Hoxa10 Antibody(Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**Mouse Hoxa10 Antibody(Center) - 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**

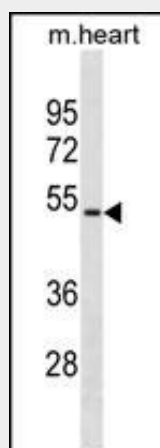
Expressed in the developing limb bud where it is restricted to the mesenchyme along the proximal-distal axis. Also found in developing gut and urogenital tract. In adult tissue, both forms found in kidney but only isoform 1 is expressed in skeletal muscle

**Mouse Hoxa10 Antibody(Center) - 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](#)

**Mouse Hoxa10 Antibody(Center) - Images**



Mouse Hoxa10 Antibody (Center)(Cat. #AP19374c) western blot analysis in mouse heart tissue lysates (35ug/lane). This demonstrates the Mouse Hoxa10 antibody detected the Mouse Hoxa10 protein (arrow).

**Mouse Hoxa10 Antibody(Center) - 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) - 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)