

HOXD10 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12608b**Specification**

HOXD10 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	P28358
Other Accession	Q90469 , P28359 , P24341 , NP_002139.2
Reactivity	Mouse, Zebrafish
Predicted	Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	38411
Antigen Region	305-334

HOXD10 Antibody (C-term) - Additional Information**Gene ID** 3236**Other Names**

Homeobox protein Hox-D10, Homeobox protein Hox-4D, Homeobox protein Hox-4E, HOXD10, HOX4D, HOX4E

Target/Specificity

This HOXD10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 305-334 amino acids from the C-terminal region of human HOXD10.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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

HOXD10 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

HOXD10 Antibody (C-term) - Protein Information**Name** HOXD10

Synonyms HOX4D, HOX4E

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.

Cellular Location

Nucleus.

Tissue Location

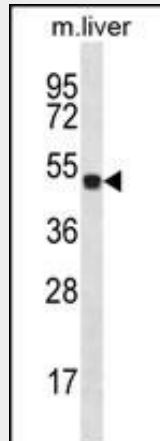
Strongly expressed in the adult male and female urogenital tracts

HOXD10 Antibody (C-term) - Protocols

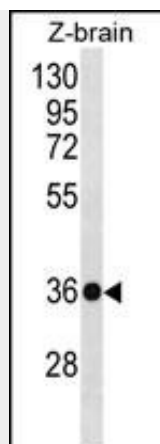
Provided below are standard protocols that you may find useful for product applications.

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

HOXD10 Antibody (C-term) - Images



HOXD10 Antibody (C-term) (Cat. #AP12608b) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the HOXD10 antibody detected the HOXD10 protein (arrow).



HOXD10 Antibody (C-term) (Cat. #AP12608b) western blot analysis in zebra fish brain tissue lysates (35ug/lane). This demonstrates the HOXD10 antibody detected the HOXD10 protein (arrow).

HOXD10 Antibody (C-term) - Background

This gene is a member of the Abd-B homeobox family and encodes a protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox D genes located on chromosome 2. The encoded nuclear protein functions as a sequence-specific transcription factor that is expressed in the developing limb buds and is involved in differentiation and limb development. Mutations in this gene have been associated with Wilm's tumor and congenital vertical talus (also known as 'rocker-bottom foot' deformity or congenital convex pes valgus) and/or a foot deformity resembling that seen in Charcot-Marie-Tooth disease.

HOXD10 Antibody (C-term) - References

Yerges, L.M., et al. J. Bone Miner. Res. 24(12):2039-2049(2009)
Reddy, S.D., et al. Cancer Res. 68(20):8195-8200(2008)
Gurnett, C.A., et al. Clin. Orthop. Relat. Res. 462, 27-31 (2007) :
Zhao, X., et al. Am. J. Hum. Genet. 80(2):361-371(2007)
Wang, L.L., et al. Zhonghua Yi Xue Yi Chuan Xue Za Zhi 22(6):653-656(2005)