

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

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**HOXD10 Antibody (C-term) - Product Information**

|                   |  |
|-------------------|--|
| Application       | WB,E   |
| Primary Accession | <a href="#">P28358</a>   |
| Other Accession   | <a href="#">O90469</a> , <a href="#">P28359</a> , <a href="#">P24341</a> , <a href="#">NP_002139.2</a> |
| 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

**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**

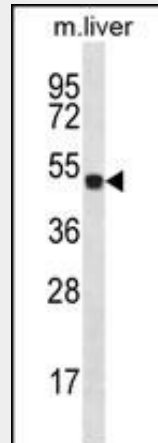
Strongly expressed in the adult male and female urogenital tracts

**HOXD10 Antibody (C-term) - Protocols**

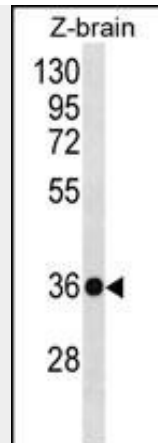
Provided below are standard protocols that you may find useful for product applications.

- [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)