Product Name: HoxD10 Rabbit Polyclonal Antibody
Catalog #: APRab12177

Summary

Production Name	HoxD10 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	HOXD10
Alternative Names	HOXD10; HOX4D; HOX4E; Homeobox protein Hox-D10; Homeobox protein Hox-4D; Homeobox protein Hox-4E
Gene ID	3236.0
SwissProt ID	P28358.The antiserum was produced against synthesized peptide derived from human HOXD10. AA range:291-340

Application

Dilution Ratio	WB 1:500-1:2000. ELISA: 1:40000.
Molecular Weight	32kD

Background

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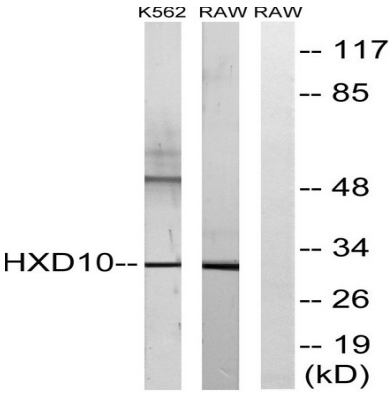
This gene is a member of the Abd-B homeobox family and encodes a protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox D genes located on chromosome 2. The encoded nuclear protein functions as a sequence-specific transcription factor that is expressed in the developing limb 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. [provided by RefSeq, Jul 2008],developmental stage:Expressed in the developing limb buds.,disease:Defects in HOXD10 are a cause of congenital vertical talus (CVT) [MIM:192950]; also known as "rocker-bottom foot" deformity or congenital convex pes valgus. CVT is a dislocation of the talonavicular joint, with rigid dorsal dislocation of the navicular over the neck of the talus. This condition is usually associated with multiple other congenital deformities and only rarely is an isolated deformity.,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.,similarity:Belongs to the Abd-B homeobox family.,similarity:Contains 1 homeobox DNA-binding domain.,tissue specificity:Strongly expressed in the adult male and female urogenital tracts.,

Research Area

Image Data



Western blot analysis of lysates from K562 and RAW264.7 cells, using HOXD10 Antibody. The lane on the right is blocked with the synthesized peptide.

Note

For research use only.