Best Tools for immunology Research

HoxD10 Polyclonal Antibody

Catalog No :	YT2219
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	HoxD10
Fields :	>>Proteoglycans in cancer;>>MicroRNAs in cancer
Gene Name :	HOXD10
Protein Name :	Homeobox protein Hox-D10
Human Gene Id :	3236
Human Swiss Prot No :	P28358
Mouse Gene Id :	15430
Mouse Swiss Prot No :	P28359
Immunogen :	The antiserum was produced against synthesized peptide derived from human HOXD10. AA range:291-340
Specificity :	HoxD10 Polyclonal Antibody detects endogenous levels of HoxD10 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:40000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 32kD

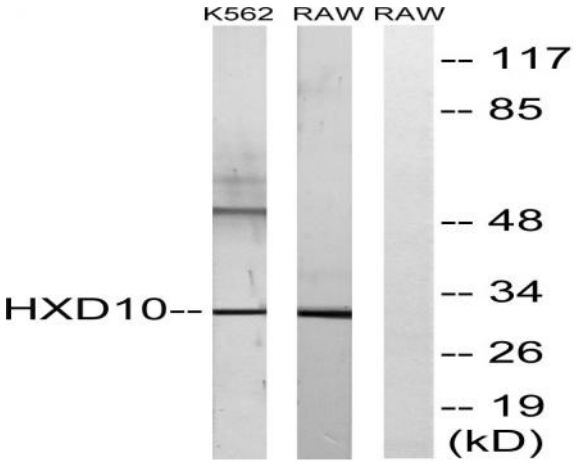
Background : This gene is a member of the Abd-B homeobox family and encodes a protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox D genes located on chromosome 2. The encoded nuclear protein functions as a sequence-specific transcription factor that is expressed in the 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. [provided by RefSeq, Jul 2008],

Function : 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.,

Subcellular Location : Nucleus.

Expression : Strongly expressed in the adult male and female urogenital tracts.

Products Images



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.