

Product datasheet for **TA330143**

HOXD10 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-HOXD10 antibody: synthetic peptide directed towards the middle region of human HOXD10. Synthetic peptide located within the following region: NPEVPVPGYFRLSQTATGKTQEYNNSPGSSVMLQLNPRGAAKPQLSA
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	38 kDa
Gene Name:	homeobox D10
Database Link:	NP_002139 Entrez Gene 3236 Human P28358



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Background:

HOXD10 is the sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Synonyms:

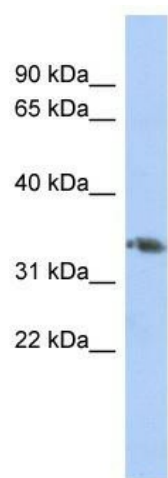
Hox-4.4; HOX4; HOX4D; HOX4E

Note:

Immunogen sequence homology: Bovine: 100%; Dog: 100%; Horse: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 92%; African clawed frog: 76%

Protein Families:

Druggable Genome, Transcription Factors

Product images:

WB Suggested Anti-HOXD10 Antibody Titration:
0.2-1 ug/ml; ELISA Titer: 1:62500; Positive Control:
PANC1 cell lysate