

HOXD4 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16462b**Specification**

HOXD4 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	P09016
Other Accession	P10628 , P17278 , NP_055436.2
Reactivity	Human
Predicted	Chicken, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	27885
Antigen Region	195-223

HOXD4 Antibody (C-term) - Additional Information**Gene ID** 3233**Other Names**

Homeobox protein Hox-D4, Homeobox protein HHOC13, Homeobox protein Hox-4B, Homeobox protein Hox-51, HOXD4, HOX4B

Target/Specificity

This HOXD4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 195-223 amino acids from the C-terminal region of human HOXD4.

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

HOXD4 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

HOXD4 Antibody (C-term) - Protein Information**Name** HOXD4

Synonyms HOX4B

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

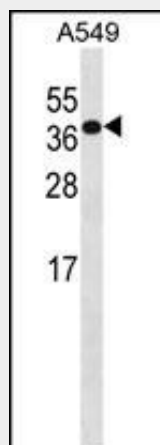
Nucleus.

HOXD4 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](#)

HOXD4 Antibody (C-term) - Images



HOXD4 Antibody (C-term) (Cat. #AP16462b) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the HOXD4 antibody detected the HOXD4 protein (arrow).

HOXD4 Antibody (C-term) - Background

This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, located on different chromosomes, consisting of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXD genes located at 2q31-2q37 chromosome regions. Deletions that removed the entire HOXD gene cluster or 5' end of this cluster have been associated with severe limb and genital abnormalities. The protein encoded by this gene may play a role in determining positional values in developing limb buds. Alternatively spliced variants have been described but their

full length nature has not been determined.

HOXD4 Antibody (C-term) - References

Zhang, H., et al. Acta Pharmacol. Sin. 31(8):977-983(2010)
Ester, A.R., et al. Am. J. Med. Genet. A 149A (12), 2745-2752 (2009) :
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