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HOXD4 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP16462b

Specification

HOXD4 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P09016

HOXD4 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 3233

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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

HOXD4 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- Blocking Peptides

HOXD4 Antibody (C-term) Blocking Peptide - Images

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HOXD4 Antibody (C-term) Blocking Peptide - Background

This gene belongs to the homeobox family of genes. Thehomeobox genes encode a highly conserved family of transcriptionfactors that play an important role in morphogenesis in allmulticellular organisms. Mammals possess four similar homeobox geneclusters, HOXA, HOXB, HOXC and HOXD, located on differentchromosomes, consisting of 9 to 11 genes arranged in tandem. Thisgene is one of several homeobox HOXD genes located at 2q31-2q37chromosome regions. Deletions that removed the entire HOXD genecluster or 5' end of this cluster have been associated with severelimb and genital abnormalities. The protein encoded by this genemay play a role in determining positional values in developing limbbuds. Alternatively spliced variants have been described but theirfull length nature has not been determined.

HOXD4 Antibody (C-term) Blocking Peptide - 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) :Yerges, L.M., et al. J. Bone Miner. Res. 24(12):2039-2049(2009)Tan, Y., et al. BMC Mol. Biol. 10, 12 (2009) :van Scherpenzeel Thim, V., et al. Hum. Mutat. 25(4):384-395(2005)