

HOXD4 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16462b**Specification**

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

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