

**HOXC4 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14368b****Specification**

---

**HOXC4 Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [P09017](#)

**HOXC4 Antibody (C-term) Blocking Peptide - Additional Information**

**Gene ID** 3221

**Other Names**

Homeobox protein Hox-C4, Homeobox protein CP19, Homeobox protein Hox-3E, HOXC4, HOX3E

**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.

**HOXC4 Antibody (C-term) Blocking Peptide - Protein Information**

**Name** HOXC4

**Synonyms** HOX3E

**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.

**HOXC4 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**HOXC4 Antibody (C-term) Blocking Peptide - Images****HOXC4 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, which are located on different chromosomes and consist of 9 to 11 genes arranged in tandem. This gene, HOXC4, is one of several homeobox HOXC genes located in a cluster on chromosome 12. Three genes, HOXC5, HOXC4 and HOXC6, share a 5' non-coding exon. Transcripts may include the shared exon spliced to the gene-specific exons, or they may include only the gene-specific exons. Two alternatively spliced variants that encode the same protein have been described for HOXC4. Transcript variant one includes the shared exon, and transcript variant two includes only gene-specific exons.

#### **HOXC4 Antibody (C-term) Blocking Peptide - References**

Park, S.R., et al. Nat. Immunol. 10(5):540-550(2009) Lamesch, P., et al. Genomics 89(3):307-315(2007) Wissmuller, S., et al. Nucleic Acids Res. 34(6):1735-1744(2006) Gong, L.G., et al. Zhonghua Yi Xue Yi Chuan Xue Za Zhi 22(5):497-501(2005) Kim, E.C., et al. J. Biol. Chem. 279(40):42258-42269(2004)