

**HOXA5 Antibody (C-term E211) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6694b****Specification**

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**HOXA5 Antibody (C-term E211) Blocking Peptide - Product Information**Primary Accession [P20719](#)**HOXA5 Antibody (C-term E211) Blocking Peptide - Additional Information****Gene ID** 3202**Other Names**

Homeobox protein Hox-A5, Homeobox protein Hox-1C, HOXA5, HOX1C

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6694b](/products/AP6694b) was selected from the C-term region of human HOXA5. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**HOXA5 Antibody (C-term E211) Blocking Peptide - Protein Information****Name** HOXA5**Synonyms** HOX1C**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. Also binds to its own promoter. Binds specifically to the motif 5'-CYNNATTA[**TG**]Y-3'.

**Cellular Location**

Nucleus.

**HOXA5 Antibody (C-term E211) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **HOXA5 Antibody (C-term E211) Blocking Peptide - Images**

#### **HOXA5 Antibody (C-term E211) Blocking Peptide - Background**

In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. HOXA5 gene is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. Methylation of this gene may result in the loss of its expression and, since the encoded protein upregulates the tumor suppressor p53, this protein may play an important role in tumorigenesis.

#### **HOXA5 Antibody (C-term E211) Blocking Peptide - References**

Chen,Y., Blood 111 (3), 1217-1226 (2008)Chen,H., Cancer Res. 67 (17), 8007-8013 (2007)