

**HMX2 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7266b****Specification**

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**HMX2 Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [P43687](#)  
Other Accession [NP\\_666110](#)

**HMX2 Antibody (C-term) Blocking Peptide - Additional Information**

**Gene ID** 15372

**Other Names**

Homeobox protein HMX2, Homeobox protein Nkx-52, Hmx2, Nkx-52, Nkx5-2

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7266b](#) was selected from the C-term region of human HMX2. 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.

**HMX2 Antibody (C-term) Blocking Peptide - Protein Information**

**Name** Hmx2

**Synonyms** Nkx-5.2, Nkx5-2

**Function**

Transcription factor involved in specification of neuronal cell types and which is required for inner ear and hypothalamus development.

**Cellular Location**

Nucleus.

**Tissue Location**

Expressed in the developing CNS, including a specific expression in vestibular structures throughout inner ear development.

## **HMX2 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **HMX2 Antibody (C-term) Blocking Peptide - Images**

## **HMX2 Antibody (C-term) Blocking Peptide - Background**

Homeobox genes represent a class of transcription factors that play key roles in the regulation of embryogenesis and development. Here we report the identification of a homeobox-containing gene family that is highly conserved at both the nucleotide and amino acid levels in a diverse number of species. These species encompass both vertebrate and invertebrate phylogenies, ranging from *Homo sapiens* to *Drosophila melanogaster*.

## **HMX2 Antibody (C-term) Blocking Peptide - References**

Wang,W., Dev. Cell 7 (3), 439-453 (2004)