

HMX3 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP7266c**Specification**

HMX3 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession
Other Accession[A6NHT5](#)
[NP_666110](#)**HMX3 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 340784**Other Names**

Homeobox protein HMX3, Homeobox protein H6 family member 3, Homeobox protein Nkx-51, HMX3, NKX-51, NKX5-1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7266c](/products/AP7266c) was selected from the Center region of human HMX3. 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.

HMX3 Antibody (Center) Blocking Peptide - Protein Information**Name** HMX3**Synonyms** NKX-5.1, NKX5-1**Function**

Transcription factor involved in specification of neuronal cell types and which is required for inner ear and hypothalamus development. Binds to the 5'-CAAGTG-3' core sequence. Controls semicircular canal formation in the inner ear. Also required for hypothalamic/pituitary axis of the CNS (By similarity).

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108}.

HMX3 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

HMX3 Antibody (Center) Blocking Peptide - Images

HMX3 Antibody (Center) 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*.

HMX3 Antibody (Center) Blocking Peptide - References

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