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HMX2 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP7266a

Specification

HMX2 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession	P43687
Other Accession	NP_666110

HMX2 Antibody (N-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 AP7266a was selected from the N-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 (N-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.

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HMX2 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

HMX2 Antibody (N-term) Blocking Peptide - Images

HMX2 Antibody (N-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 (N-term) Blocking Peptide - References

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