

Mouse Hmx3 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP7424b**Specification**

Mouse Hmx3 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P42581](#)**Mouse Hmx3 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 15373**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 [AP7424b](/products/AP7424b) was selected from the C-term region of human Mouse 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.

Mouse Hmx3 Antibody (C-term) 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.

Cellular Location

Nucleus.

Tissue Location

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

Mouse Hmx3 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

Mouse Hmx3 Antibody (C-term) Blocking Peptide - Images

Mouse Hmx3 Antibody (C-term) Blocking Peptide - Background

Hmx3 is a transcription factor involved in specification of neuronal cell types and which is required for inner ear and hypothalamus development. This protein binds to the 5'-CAAGTG-3' core sequence. It controls semicircular canal formation in the inner ear and is also required for hypothalamic/pituitary axis of the CNS.

Mouse Hmx3 Antibody (C-term) Blocking Peptide - References

Mennerich D., Hoffmann S., Biol. Chem. 380:1041-1048(1999) Rinkwitz-Brandt S., Justus M., Mech. Dev. 52:371-381(1995) Rinkwitz-Brandt S., Arnold H.H., Bober E. Hear. Res. 99:129-138(1996) Amendt B.A., Sutherland L.B., J. Biol. Chem. 274:11635-11642(1999)