

**Mouse Hmx3 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP7424b**

**Specification**

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**Mouse Hmx3 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P42581</a>
Reactivity	Mouse
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	193-224

**Mouse Hmx3 Antibody (C-term) - 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**

This Mouse Hmx3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 193-224 amino acids from the C-terminal region of mouse Hmx3.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Mouse Hmx3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**Mouse Hmx3 Antibody (C-term) - 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**

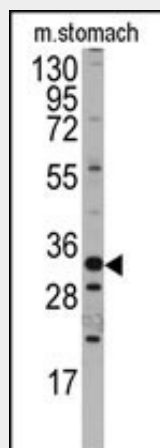
Expressed in the developing CNS, including a specific expression in vestibular structures throughout inner ear development.

**Mouse Hmx3 Antibody (C-term) - Protocols**

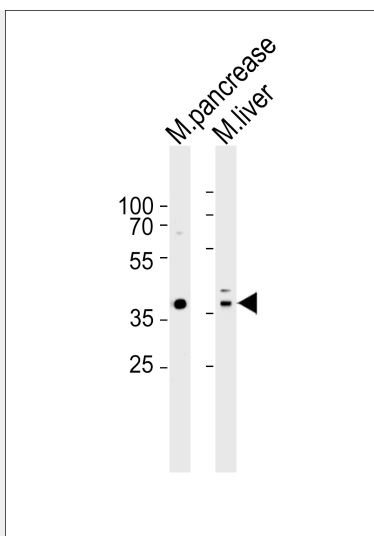
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Mouse Hmx3 Antibody (C-term) - Images**



Western blot analysis of anti-Mouse Hmx3 Antibody (C-term) (Cat.#AP7424b) in mouse stomach tissue lysates (35ug/lane). Hmx3 (arrow) was detected using the purified Pab



Western blot analysis of lysates from mouse pancreas and mouse liver tissue (from left to right), using Hmx3 (Mouse C-term)(Cat. #AP7424B). AP7424B was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

#### **Mouse Hmx3 Antibody (C-term) - 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) - 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)