

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

Specification

Mouse Hmx3 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	P42581
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

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

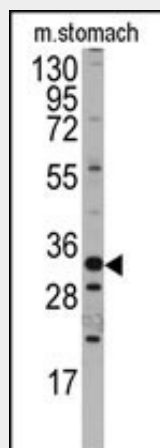
Expressed in the developing CNS, including a specific expression in vestibular structures throughout inner ear development.

Mouse Hmx3 Antibody (C-term) - Protocols

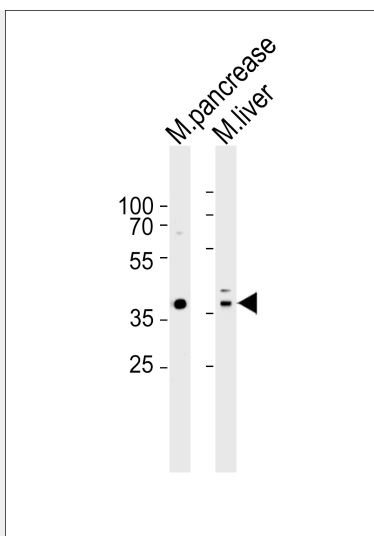
Provided below are standard protocols that you may find useful for product applications.

- [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)