10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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.

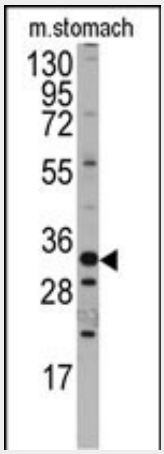
Tissue Location
Expressed in the developing CNS, including a specific expression in vestibular structures throughout inner ear development.

Mouse Hmx3 Antibody (C-term) - Protocols

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

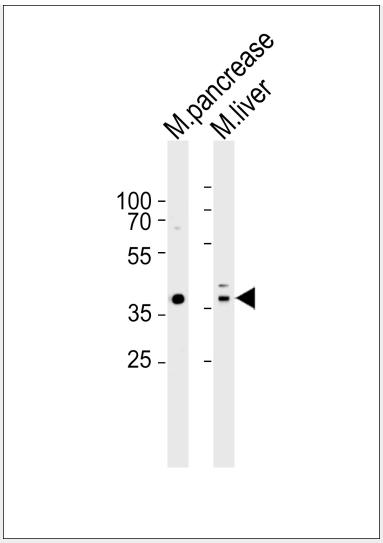
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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

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Western blot analysis of lysates from mouse pancrease 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)