

Zebrafish hmx3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # Azb10011a

Specification

Zebrafish hmx3 Antibody (Center) - Product Information

Application WB,E
Primary Accession Q504H8
Reactivity Zebrafish
Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Antigen Region 132-160

Zebrafish hmx3 Antibody (Center) - Additional Information

Other Names

Homeobox protein HMX3, Homeobox protein H6 family member 3, Homeobox protein Nkx-51, hmx3, nkx-51, nkx5-1

Target/Specificity

This Zebrafish hmx3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 132-160 amino acids from the central region of zebrafish 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

Zebrafish hmx3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Zebrafish hmx3 Antibody (Center) - 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 (By



similarity).

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108}.

Tissue Location

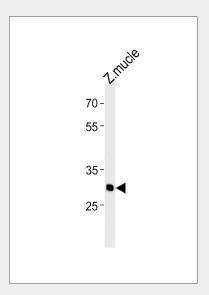
Expressed in the ear placode and vesicle and in cells forming the vestibulo-acoustic ganglion. Also expressed in the lateral line.

Zebrafish hmx3 Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Zebrafish hmx3 Antibody (Center) - Images



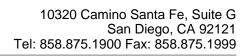
Zebrafish hmx3 Antibody (Center) (Cat. #Azb10011a) western blot analysis in zebrafish muscle tissue lysates (35ug/lane). This demonstrates the Zebrafish hmx3 antibody detected the zebrafish hmx3 protein (arrow).

Zebrafish hmx3 Antibody (Center) - Background

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 (By similarity).

Zebrafish hmx3 Antibody (Center) - References

Adamska M., et al. Mech. Dev. 97:161-165(2000). Feng Y., et al. Submitted (JUL-2007) to the EMBL/GenBank/DDBJ databases.





Kwak S.-J., et al. Development 129:5279-5287(2002).