

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}.

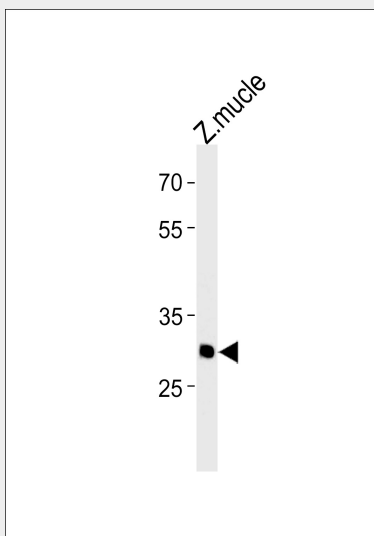
Tissue Location

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](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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).