

**DANRE hmx3 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # Azb10011a**

**Specification**

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**DANRE hmx3 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q504H8</a>
Reactivity	Zebrafish
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	33088
Antigen Region	132-160

**DANRE 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 DANRE hmx3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 132-160 amino acids from the Central region of DANRE 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**

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

**DANRE 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

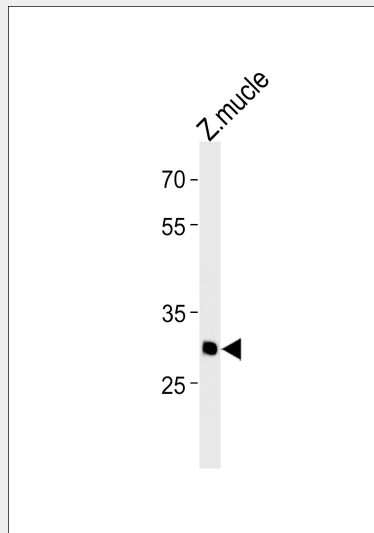
Expressed in the ear placode and vesicle and in cells forming the vestibulo-acoustic ganglion. Also expressed in the lateral line.

### DANRE 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](#)

### DANRE hmx3 Antibody (Center) - Images



DANREhmx3 Antibody (Center) (Cat. #AzB10011a) western blot analysis in zebra fish muscle tissue lysates (35ug/lane). This demonstrates the DANREhmx3 antibody detected the DANREhmx3 protein (arrow).

### DANRE 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).

### DANRE 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).