

# DANRE hmx3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # Azb10011a

## Product Information

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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

## Additional Information

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Other Names	Homeobox protein HMX3, Homeobox protein H6 family member 3, Homeobox protein Nkx-5.1, hmx3, nkx-5.1, 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 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	DANRE hmx3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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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.

**Background**

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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).

**References**

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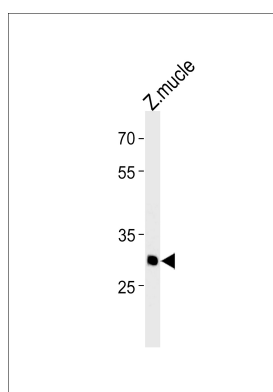
Adamska M., et al. Mech. Dev. 97:161-165(2000).

Feng Y., et al. Submitted (JUL-2007) to the EMBL/GenBank/DDBJ databases.

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

**Images**

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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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.