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

DANRE hmx3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # Azb10011a

Product Information

Application	WB, E
Primary Accession	Q504H8
Reactivity	Zebrafish
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	33088
Antigen Region	132-160

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 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

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.

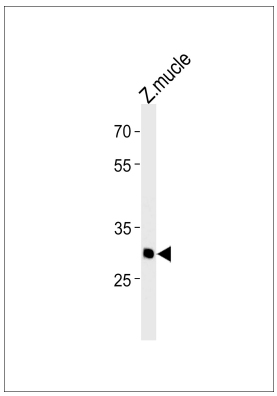
Background

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

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



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'.