ANTIBODIES ONLINE

Datasheet for ABIN1881426

anti-HOXA1A antibody (AA 192-219)

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Overview

Quantity:	400 µL
Target:	HOXA1A
Binding Specificity:	AA 192-219
Reactivity:	Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HOXA1A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This DANRE hoxa1a antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 192-219 amino acids from the Central region of DANRE hoxa1a.
Clone:	RB44175
Isotype:	Ig Fraction
Predicted Reactivity:	X
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	HOXA1A
Alternative Name:	hoxa1a (HOXA1A Products)

Target Details

Background:	Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis (By similarity).
Molecular Weight:	35737
NCBI Accession:	NP_571611
UniProt:	Q98SI1

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

Publications

Product cited in:

Corredor-Adámez, Welten, Spaink, Jeffery, Schoon, de Bakker, Bagowski, Meijer, Verbeek, Richardson: "Genomic annotation and transcriptome analysis of the zebrafish (Danio rerio) hox complex with description of a novel member, hox b 13a." in: **Evolution & development**, Vol. 7, Issue 5, pp. 362-75, (2005) (PubMed).

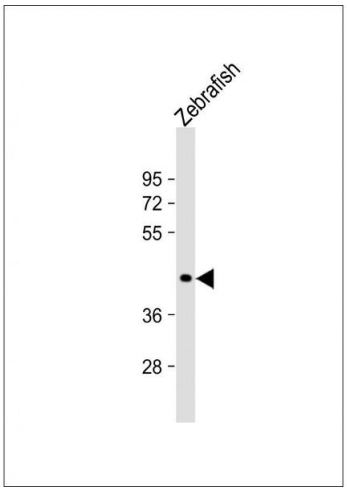
McClintock, Carlson, Mann, Prince: "Consequences of Hox gene duplication in the vertebrates: an investigation of the zebrafish Hox paralogue group 1 genes." in: **Development (Cambridge, England)**, Vol. 128, Issue 13, pp. 2471-84, (2001) (PubMed).

Amores, Force, Yan, Joly, Amemiya, Fritz, Ho, Langeland, Prince, Wang, Westerfield, Ekker, Postlethwait: "Zebrafish hox clusters and vertebrate genome evolution." in: **Science (New York,**

Publications

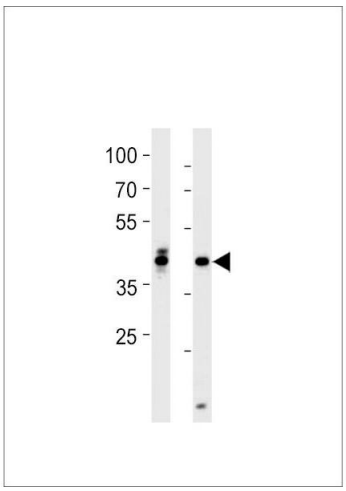
N.Y.), Vol. 282, Issue 5394, pp. 1711-4, (1998) (PubMed).

Images



Western Blotting

Image 1. Anti-DANRE hoxa1a Antibody (Center) at 1:1000 dilution + Zebrafish lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 36 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Western Blotting

Image 2. DANRE hoxa1a Antibody (Center) Azb10012a western blot analysis in zebra fish brain and heart tissue lysates (35 µg/lane).This demonstrates the DANRE hoxa1a antibody detected the DANRE hoxa1a protein (arrow).