

Datasheet for ABIN1945096

anti-HSP90AA1 antibody (AA 229-263)

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Overview

Quantity:	400 µL
Target:	HSP90AA1
Binding Specificity:	AA 229-263
Reactivity:	Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSP90AA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This hsp90a.1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 229-263 amino acids from the Central region of human (DANRE) hsp90a.1.
Clone:	RB47443
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	HSP90AA1
Alternative Name:	hsp90a.1 (HSP90AA1 Products)
Background:	Molecular chaperone that promotes the maturation, structural maintenance and proper

Target Details

regulation of specific target proteins involved for instance in cell cycle control and signal transduction. Undergoes a functional cycle that is linked to its ATPase activity. This cycle probably induces conformational changes in the client proteins, thereby causing their activation. Interacts dynamically with various co-chaperones that modulate its substrate recognition, ATPase cycle and chaperone function (By similarity). Plays a key role in slow and fast muscle development in the embryo. Plays a role in myosin expression and assembly.

Molecular Weight: 83319

Gene ID: 30591

UniProt: [Q90474](#)

Pathways: [M Phase](#), [Regulation of Cell Size](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [VEGFR1 Specific Signals](#)

Application Details

Application Notes: WB: 1:2000. WB: 1:2000. WB: 1:1000. WB: 1:2000. IHC-P: 1:25

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

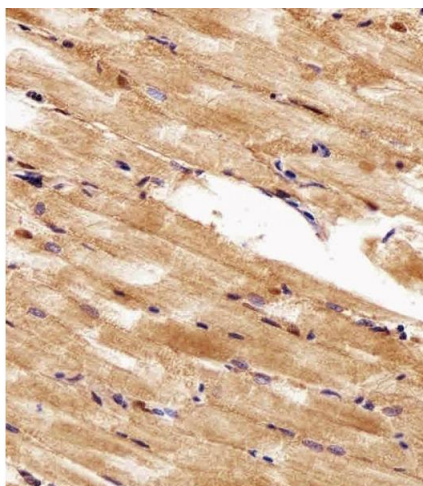
Publications

Product cited in: Tran, Xu, Kato, Mistry, Goya, Taira, Brandt, Hirose: "Spliced isoforms of LIM-domain-binding protein (CLIM/NLI/Ldb) lacking the LIM-interaction domain." in: **Journal of biochemistry**, Vol. 140, Issue 1, pp. 105-19, (2006) ([PubMed](#)).

Toyama, Kobayashi, Tomita, Dawid: "Expression of LIM-domain binding protein (ldb) genes

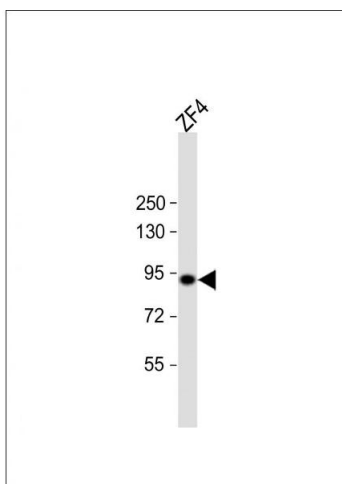
during zebrafish embryogenesis." in: **Mechanisms of development**, Vol. 71, Issue 1-2, pp. 197-200, (1998) ([PubMed](#)).

Images



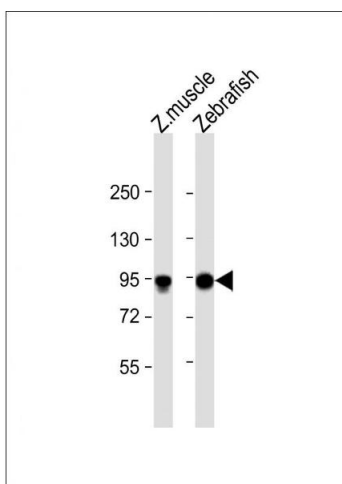
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical analysis of paraffin-embedded Z. skeletal muscle section using hsp90a. 1 Antibody (Center) Azb18696c. Azb18696c was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



Western Blotting

Image 2. Anti-hsp90a. 1 Antibody (Center) at 1:2000 dilution + ZF4 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 83 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Western Blotting

Image 3. All lanes : Anti-hsp90a. 1 Antibody (Center) at 1:2000 dilution Lane 1: Zebrafish muscle lysate Lane 2: 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 : 83 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN1945096.