BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

# Anti-Zebrafish HSPB1 Antibody Picoband®

**Catalog Number:** AZA4VAK4

## About HSPB1

Predicted to enable unfolded protein binding activity. Acts upstream of or within regulation of myofibril size; response to arsenic-containing substance; and response to heat. Located in cytoplasm and nucleus. Is expressed in several structures, including mesoderm; musculature system; nervous system; pericardial region; and pleuroperitoneal region. Human ortholog(s) of this gene implicated in Charcot-Marie-Tooth disease axonal type 2F; autosomal dominant distal hereditary motor neuronopathy 3; pancreatic cancer; and sarcoma. Orthologous to human HSPB1 (heat shock protein family B (small) member 1).

## Submit a product review to Biocompare.com




Submit a review of this product to Biocompare.com to receive a $20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.

## Overview

| | |
|---|---|
| Product Name | Anti-Zebrafish HSPB1 Antibody Picoband® |
| Reactive Species | Zebrafish |
| Description | Boster Bio Anti-Zebrafish HSPB1 Antibody Picoband® catalog # AZA4VAK4. Tested in WB applications. This antibody reacts with Zebrafish. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance. |
| Application | WB |
| Clonality | Polyclonal |
| Formulation | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4. |
| Storage Instructions | At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing. |
| Host | Rabbit |
| Uniprot ID | A4VAK4 |

## Technical Details

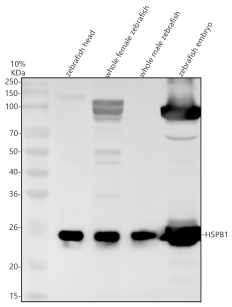
| | |
|---|---|
| Immunogen | E.coli-derived Zebrafish HSPB1 recombinant protein (Position: M1-K199). |
| Form | Lyophilized |

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

| | |
|---|---|
| Concentration | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. |
| Purification | Immunogen affinity purified. |
| Suggested Dilutions | Western blot, 0.25-0.5 ug/ml, Zebrafish |

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

# Anti-Zebrafish HSPB1 Antibody Picoband® (AZA4VAK4) Images




Western blot analysis of HSPB1 using anti-HSPB1 antibody (AZA4VAK4). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: zebrafish head tissue lysates, Lane 2: whole female zebrafish tissue lysates, Lane 3: whole male zebrafish tissue lysates, Lane 4: zebrafish embryo tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-HSPB1 antigen affinity purified polyclonal antibody (AZA4VAK4) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for HSPB1 at approximately 22 kDa. The expected band size for HSPB1 is at 22 kDa.

Anti-Zebrafish HSPB1 Antibody

For Research Use Only. Not for use in diagnostic procedures.