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

# Anti-Zebrafish YBX1 Antibody Picoband®

**Catalog Number:** AZB5DE31

## About YBX1

Enables several functions, including C5-methylcytidine-containing RNA reader activity; eukaryotic initiation factor 4E binding activity; and methyl-CpG binding activity. Involved in embryonic morphogenesis; mRNA stabilization; and negative regulation of translation. Acts upstream of or within establishment of RNA localization; negative regulation of mRNA splicing, via spliceosome; and negative regulation of translational initiation. Located in P-body and nucleus. Is expressed in blastoderm; blastodisc; blastomere; eye; and telencephalon. Orthologous to several human genes including YBX1 (Y-box binding protein 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 YBX1 Antibody Picoband® |
| Reactive Species | Zebrafish |
| Description | Boster Bio Anti-Zebrafish YBX1 Antibody Picoband® catalog # AZB5DE31. 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 | B5DE31 |

## Technical Details

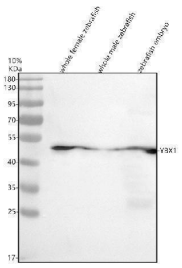
| | |
|---|---|
| Immunogen | E.coli-derived zebrafish YBX1 recombinant protein (Position: R275-D310). |
| Form | Lyophilized |

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 YBX1 Antibody Picoband® (AZB5DE31) Images




Western blot analysis of YBX1 using anti-YBX1 antibody (AZB5DE31). 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.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-YBX1 antigen affinity purified polyclonal antibody (AZB5DE31) 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 YBX1 at approximately 50 kDa. The expected band size for YBX1 is at 36 kDa.

Anti-Zebrafish YBX1 Antibody

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