BOSTER BIOLOGICAL TECHNOLOGY
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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).

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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

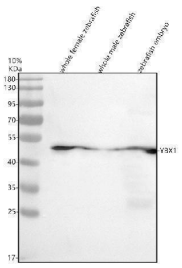
Immunogen	E.coli-derived zebrafish YBX1 recombinant protein (Position: R275-D310).
Form	Lyophilized

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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

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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.

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