BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Zebrafish RBP3 Antibody Picoband®

Catalog Number: AZA0ACM8QMU9

About RBP3

Enables all-trans-retinol binding activity and oleic acid binding activity. Predicted to be involved in proteolysis. Predicted to be located in interphotoreceptor matrix. Predicted to be active in cone matrix sheath. Is expressed in pineal complex and visual system. Human ortholog(s) of this gene implicated in retinitis pigmentosa 66. Orthologous to human RBP3 (retinol binding protein 3).

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Overview

Product Name	Anti-Zebrafish RBP3 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish RBP3 Antibody Picoband® catalog # AZA0ACM8QMU9. 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	A0ACM8QMU9

Technical Details

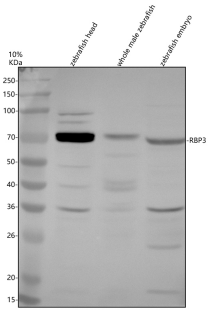
Immunogen	E.coli-derived Zebrafish RBP3 recombinant protein (Position: P103-R510).
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

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Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Zebrafish

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Anti-Zebrafish RBP3 Antibody Picoband® (AZA0ACM8QMU9) Images



Western blot analysis of RBP3 using anti-RBP3 antibody (AZA0ACM8QMU9). 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 male zebrafish lysates, Lane 3: zebrafish embryo 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-RBP3 antigen affinity purified polyclonal antibody (AZA0ACM8QMU9) 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 RBP3 at approximately 70 kDa. The expected band size for RBP3 is at 67 kDa.

Anti-Zebrafish RBP3 Antibody

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