

Anti-Zebrafish RRM1 Antibody Picoband®

Catalog Number: AZP79732

About RRM1

Predicted to enable ATP binding activity and ribonucleoside-diphosphate reductase activity, thioredoxin disulfide as acceptor. Predicted to be involved in deoxyribonucleotide biosynthetic process. Predicted to be located in cytoplasm. Predicted to be part of ribonucleoside-diphosphate reductase complex. Is expressed in several structures, including immature eye; nervous system; neural tube; presumptive telencephalon; and tail bud. Human ortholog(s) of this gene implicated in chronic progressive external ophthalmoplegia. Orthologous to human RRM1 (ribonucleotide reductase catalytic subunit M1).

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Overview

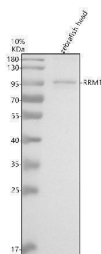
Product Name	Anti-Zebrafish RRM1 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish RRM1 Antibody Picoband® catalog # AZP79732. Tested in WB applications. This antibody reacts with Zebrafish. The brand Picoband indicates this is a premium antibody that guarantees superior 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 Na ₂ HPO ₄ .
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	P79732

Technical Details

Immunogen	E.coli-derived zebrafish RRM1 recombinant protein (Position: A129-Q730).
Form	Lyophilized

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

Anti-Zebrafish RRM1 Antibody Picoband® (AZP79732) Images



Western blot analysis of RRM1 using anti-RRM1 antibody (AZP79732). 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. 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-RRM1 antigen affinity purified polyclonal antibody (AZP79732) 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 RRM1 at approximately 90 kDa. The expected band size for RRM1 is at 90 kDa.

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