BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Zebrafish MBD2 Antibody Picoband®

Catalog Number: AZQ7ZTV3

About MBD2

Predicted to enable methyl-CpG binding activity. Predicted to be involved in DNA methylation-dependent constitutive heterochromatin formation and negative regulation of transcription by RNA polymerase II. Predicted to be located in chromatin. Predicted to be part of histone deacetylase complex. Predicted to be active in nucleus. Human ortholog(s) of this gene implicated in schizophrenia. Orthologous to human MBD2 (methyl-CpG binding domain protein 2).

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Overview

Product Name	Anti-Zebrafish MBD2 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish MBD2 Antibody Picoband® catalog # AZQ7ZTV3. 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	Q7ZTV3

Technical Details

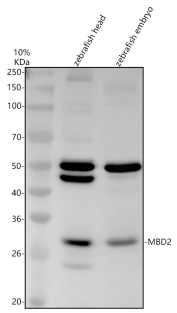
Immunogen	E.coli-derived Zebrafish MBD2 recombinant protein (Position: Q48-V256).
Form	Lyophilized

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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 MBD2 Antibody Picoband® (AZQ7ZTV3) Images



Western blot analysis of MBD2 using anti-MBD2 antibody (AZQ7ZTV3). 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 lysates, Lane 2: 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-MBD2 antigen affinity purified polyclonal antibody (AZQ7ZTV3) 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 MBD2 at approximately 28 kDa. The expected band size for MBD2 is at 28 kDa.

Anti-Zebrafish MBD2 Antibody

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