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

Anti-Zebrafish MYH14 Antibody Picoband®

Catalog Number: AZA0AC58HJ99

About MYH14

Predicted to enable actin filament binding activity and microfilament motor activity. Predicted to be involved in actomyosin structure organization; mitotic cytokinesis; and regulation of cell shape. Predicted to be part of myosin II complex. Predicted to be active in cytoplasm and myosin filament. Is expressed in heart; immature eye; nervous system; otic vesicle; and spinal cord neural tube. Human ortholog(s) of this gene implicated in autosomal dominant nonsyndromic deafness 4A and sensorineural hearing loss. Orthologous to human MYH14 (myosin heavy chain 14).

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Overview

Product Name	Anti-Zebrafish MYH14 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish MYH14 Antibody Picoband® catalog # AZA0AC58HJ99. 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	A0AC58HJ99

Technical Details

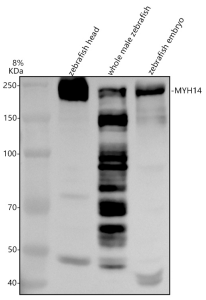
Immunogen	E.coli-derived Zebrafish MYH14 recombinant protein (Position: H1209-D1985).
Form	Lyophilized

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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 MYH14 Antibody Picoband® (AZA0AC58HJ99) Images



Western blot analysis of MYH14 using anti-MYH14 antibody (AZA0AC58HJ99). Electrophoresis was performed on a 8% 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: 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-MYH14 antigen affinity purified polyclonal antibody (AZA0AC58HJ99) 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 MYH14 at approximately 238 kDa. The expected band size for MYH14 is at 238 kDa.

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