BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Zebrafish EFNB1 Antibody Picoband®

Catalog Number: AZQ90Z33

About EFNB1

Predicted to enable ephrin receptor binding activity. Acts upstream of or within embryonic liver development and optic vesicle morphogenesis. Predicted to be located in membrane. Predicted to be active in glutamatergic synapse and presynaptic membrane. Is expressed in several structures, including alar plate midbrain region; central nervous system; hepatoblast; intestinal rod; and liver and biliary system. Human ortholog(s) of this gene implicated in craniofrontonasal syndrome and dysostosis. Orthologous to human EFNB1 (ephrin B1).

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Overview

Product Name	Anti-Zebrafish EFNB1 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish EFNB1 Antibody Picoband® catalog # AZQ90Z33. 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	Q90Z33

Technical Details

Immunogen	E.coli-derived Zebrafish EFNB1 recombinant protein (Position: P62-P222).
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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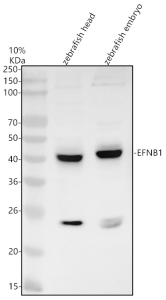
Anti-Zebrafish EFNB1 Antibody Picoband® (AZQ90Z33) Images



Western blot analysis of EFNB1 using anti-EFNB1 antibody (AZQ90Z33). 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: zebrafish embryo 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-EFNB1 antigen affinity purified polyclonal antibody (AZQ90Z33) 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 EFNB1 at approximately 40 kDa. The expected band size for EFNB1 is at 38 kDa.

Anti-Zebrafish EFNB1 Antibody

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