BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Zebrafish GJB1A Antibody Picoband®

Catalog Number: AZQ2VJ87

About GJB1A

Predicted to enable gap junction channel activity. Predicted to be involved in cell-cell signaling. Predicted to act upstream of or within cell communication. Predicted to be located in gap junction and plasma membrane. Predicted to be part of connexin complex. Is expressed in several structures, including heart; liver; nervous system; otic vesicle; and pleuroperitoneal region. Human ortholog(s) of this gene implicated in Charcot-Marie-Tooth disease X-linked dominant 1. Orthologous to human GJB1 (gap junction protein beta 1).

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Overview

Product Name	Anti-Zebrafish GJB1A Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish GJB1A Antibody Picoband® catalog # AZQ2VJ87. 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	Q2VJ87

Technical Details

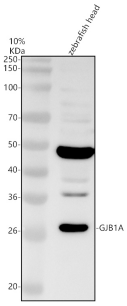
Immunogen	E.coli-derived Zebrafish GJB1A recombinant protein (Position: M107-F254).
Form	Lyophilized

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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 GJB1A Antibody Picoband® (AZQ2VJ87) Images



Western blot analysis of GJB1A using anti-GJB1A antibody (AZQ2VJ87). 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-GJB1A antigen affinity purified polyclonal antibody (AZQ2VJ87) 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 GJB1A at approximately 27 kDa. The expected band size for GJB1A is at 27 kDa.

Anti-Zebrafish GJB1A Antibody

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