

Anti-Zebrafish GJA5A Antibody Picoband®

Catalog Number: AZF1QL21

About GJA5A

Enables gap junction channel activity. Predicted to be involved in atrial cardiac muscle cell to AV node cell communication by electrical coupling; cell-cell signaling; and heart development. Predicted to act upstream of or within cell communication. Predicted to be located in gap junction. Predicted to be part of connexin complex. Is expressed in several structures, including cardiovascular system; digestive system; nervous system; pleuroperitoneal region; and skeletal muscle. Human ortholog(s) of this gene implicated in atrial fibrillation; atrial standstill 1; familial atrial fibrillation; and tetralogy of Fallot. Orthologous to human GJA5 (gap junction protein alpha 5).

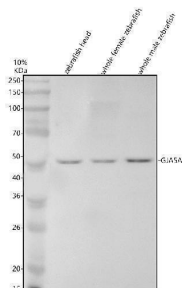
Overview

Product Name	Anti-Zebrafish GJA5A Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish GJA5A Antibody Picoband® catalog # AZF1QL21. 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	F1QL21

Technical Details

Immunogen	E.coli-derived Zebrafish GJA5A recombinant protein (Position: H95-P353).
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 GJA5A Antibody Picoband® (AZF1QL21) Images



Western blot analysis of GJA5A using anti-GJA5A antibody (AZF1QL21). 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: whole female zebrafish tissue lysates, Lane 3: whole male zebrafish 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-GJA5A antigen affinity purified polyclonal antibody (AZF1QL21) 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 GJA5A at approximately 45 kDa. The expected band size for GJA5A is at 45 kDa.

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