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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Zebrafish SDHA Antibody Picoband®

Catalog Number: AZQ7ZVF3

About SDHA

Predicted to enable electron transfer activity; flavin adenine dinucleotide binding activity; and succinate dehydrogenase (quinone) activity. Predicted to be involved in mitochondrial electron transport, succinate to ubiquinone. Predicted to act upstream of or within electron transport chain. Predicted to be located in mitochondrial inner membrane. Predicted to be part of respiratory chain complex II (succinate dehydrogenase). Is expressed in several structures, including adaxial cell; alar plate midbrain region; eye; musculature system; and pleuroperitoneal region. Human ortholog(s) of this gene implicated in Leigh disease; dilated cardiomyopathy 1GG; lung non-small cell carcinoma; mitochondrial complex II deficiency; and paraganglioma. Orthologous to human SDHA (succinate dehydrogenase complex flavoprotein subunit A).

Overview

Product Name	Anti-Zebrafish SDHA Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish SDHA Antibody Picoband® catalog # AZQ7ZVF3. 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	Q7ZVF3

Technical Details

Immunogen	E.coli-derived zebrafish SDHA recombinant protein (Position: D132-R551).
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

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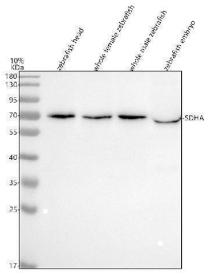
Anti-Zebrafish SDHA Antibody Picoband® (AZQ7ZVF3) Images



Western blot analysis of SDHA using anti-SDHA antibody (AZQ7ZVF3). 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, Lane 4: 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-SDHA antigen affinity purified polyclonal antibody (AZQ7ZVF3) 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 SDHA at approximately 72 kDa. The expected band size for SDHA is at 72 kDa.

Anti-Zebrafish SDHA Antibody

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