BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Zebrafish NDUFS2 Antibody Picoband®

Catalog Number: AZF1Q4N4

About NDUFS2

Predicted to enable NAD binding activity; oxidoreductase activity, acting on NAD(P)H; and quinone binding activity. Predicted to contribute to NADH dehydrogenase (ubiquinone) activity. Predicted to be involved in mitochondrial electron transport, NADH to ubiquinone. Predicted to be part of respiratory chain complex I. Predicted to be active in mitochondrial inner membrane. Human ortholog(s) of this gene implicated in Leigh disease; hypertrophic cardiomyopathy; inherited metabolic disorder; multiple sclerosis; and nuclear type mitochondrial complex I deficiency 6. Orthologous to human NDUFS2 (NADH:ubiquinone oxidoreductase core subunit S2).

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Overview

Product Name	Anti-Zebrafish NDUFS2 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish NDUFS2 Antibody Picoband® catalog # AZF1Q4N4. 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	F1Q4N4

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of zebrafish NDUFS2.(DMAIGTNGDCYDRYLCRVEE).

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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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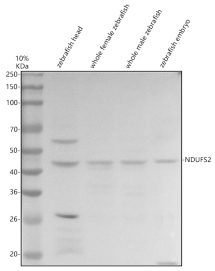
Anti-Zebrafish NDUFS2 Antibody Picoband® (AZF1Q4N4) Images



Western blot analysis of NDUFS2 using anti-NDUFS2 antibody (AZF1Q4N4). 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 lysates, Lane 2: whole female zebrafish lysates, Lane 3: whole male zebrafish lysates, Lane 4: 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-NDUFS2 antigen affinity purified polyclonal antibody (AZF1Q4N4) 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 NDUFS2 at approximately 42 kDa. The expected band size for NDUFS2 is at 42, 53 kDa.

Anti-Zebrafish NDUFS2 Antibody

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