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

Anti-Zebrafish NDUFA10 Antibody Picoband®

Catalog Number: AZA0A8M1P9P3

About NDUFA10

Predicted to enable NADH dehydrogenase (ubiquinone) activity. Predicted to be involved in mitochondrial electron transport, NADH to ubiquinone. Predicted to be located in mitochondrial matrix. Predicted to be part of respiratory chain complex I. Predicted to be active in cytoplasm. Is expressed in several structures, including alar plate midbrain region; gut; immature eye; myotome; and nervous system. Human ortholog(s) of this gene implicated in nuclear type mitochondrial complex I deficiency 22. Orthologous to human NDUFA10 (NADH:ubiquinone oxidoreductase subunit A10).

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Overview

Product Name	Anti-Zebrafish NDUFA10 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish NDUFA10 Antibody Picoband® catalog # AZA0A8M1P9P3. Tested in WB, IHC 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	IHC, 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	A0A8M1P9P3

Technical Details

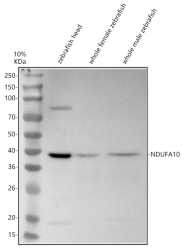
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of zebrafish NDUFA10.(GKPYLQNVPLSYLKSIETAYK).

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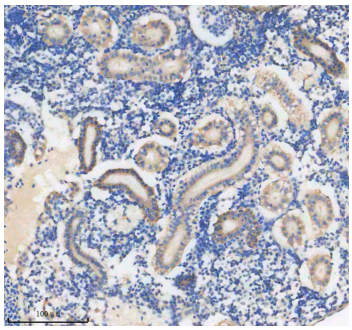
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Zebrafish Immunohistochemistry (Paraffin-embedded Section), 2-5 ug/ml, Zebrafish

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Anti-Zebrafish NDUFA10 Antibody Picoband® (AZA0A8M1P9P3) Images



Western blot analysis of NDUFA10 using anti-NDUFA10 antibody (AZA0A8M1P9P3). 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.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-NDUFA10 antigen affinity purified polyclonal antibody (AZA0A8M1P9P3) 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 NDUFA10 at approximately 40 kDa. The expected band size for NDUFA10 is at 40 kDa.



IHC analysis of NDUFA10 using anti-NDUFA10 antibody (AZA0A8M1P9P3). NDUFA10 was detected in a paraffin-embedded section of zebrafish kidney tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-NDUFA10 Antibody (AZA0A8M1P9P3) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

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