BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Zebrafish NDUFV2 Antibody Picoband®

Catalog Number: AZA0ACM8Q372

About NDUFV2

Predicted to enable NADH dehydrogenase (ubiquinone) activity and oxidoreductase activity. Predicted to contribute to NADH dehydrogenase activity. Predicted to be involved in mitochondrial electron transport, NADH to ubiquinone. Predicted to be located in mitochondrial inner membrane. Predicted to be part of respiratory chain complex I. Is expressed in several structures, including alar plate midbrain region; digestive system; optic tectum; optic vesicle; and retina. Human ortholog(s) of this gene implicated in Parkinson's disease and nuclear type mitochondrial complex I deficiency 7. Orthologous to human NDUFV2 (NADH:ubiquinone oxidoreductase core subunit V2).

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Overview

Product Name	Anti-Zebrafish NDUFV2 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish NDUFV2 Antibody Picoband® catalog # AZA0ACM8Q372. 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	A0ACM8Q372

Technical Details

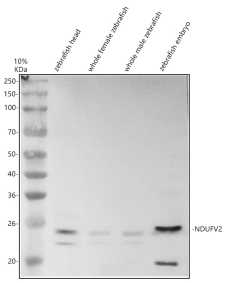
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of zebrafish NDUFV2.(APMVQINDNYYEDLKPSD).

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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 NDUFV2 Antibody Picoband® (AZA0ACM8Q372) Images



Western blot analysis of NDUFV2 using anti-NDUFV2 antibody (AZA0ACM8Q372). 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-NDUFV2 antigen affinity purified polyclonal antibody (AZA0ACM8Q372) 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 NDUFV2 at approximately 26 kDa. The expected band size for NDUFV2 is at 26 kDa.

Anti-Zebrafish NDUFV2 Antibody

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