BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Zebrafish NQO1 Antibody Picoband®

Catalog Number: AZA0A2R8PW65

About NQO1

Predicted to enable NAD(P)H dehydrogenase (quinone) activity. Acts upstream of or within cellular response to xenobiotic stimulus. Predicted to be active in cytosol. Is expressed in several structures, including head; liver; neuromast; pleuroperitoneal region; and yolk. Human ortholog(s) of this gene implicated in several diseases, including hematologic cancer (multiple); hypertension; lung disease (multiple); macular degeneration; and small cell carcinoma. Orthologous to human NQO1 (NAD(P)H quinone dehydrogenase 1).

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Overview

Product Name	Anti-Zebrafish NQO1 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish NQO1 Antibody Picoband® catalog # AZA0A2R8PW65. 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	A0A2R8PW65

Technical Details

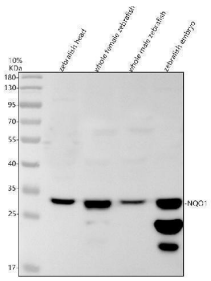
Immunogen	E.coli-derived Zebrafish NQO1 recombinant protein (Position: S14-A249).
Form	Lyophilized

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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 NQO1 Antibody Picoband® (AZA0A2R8PW65) Images



Western blot analysis of NQO1 using anti-NQO1 antibody (AZA0A2R8PW65). 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-NQO1 antigen affinity purified polyclonal antibody (AZA0A2R8PW65) 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 NQO1 at approximately 30 kDa. The expected band size for NQO1 is at 30 kDa.

Anti-Zebrafish NQO1 Antibody

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