BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Zebrafish PGC1 Alpha/PPARGC1A Antibody Picoband®

Catalog Number: AZA0AC58G1P7

About PPARGC1A

Predicted to enable transcription coactivator activity. Predicted to be involved in energy homeostasis and positive regulation of transcription by RNA polymerase II. Predicted to be active in nucleus. Is expressed in several structures, including mesoderm; musculature system; nervous system; pericardial region; and pleuroperitoneal region. Human ortholog(s) of this gene implicated in several diseases, including macular degeneration; malignant fibrous histiocytoma; metabolic dysfunction-associated steatotic liver disease; neurodegenerative disease (multiple); and type 2 diabetes mellitus. Orthologous to human PPARGC1A (PPARG coactivator 1 alpha).

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Overview

Product Name	Anti-Zebrafish PGC1 Alpha/PPARGC1A Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish PGC1 Alpha/PPARGC1A Antibody Picoband® catalog # AZA0AC58G1P7. 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	A0AC58G1P7

Technical Details

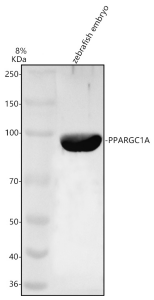
Immunogen	E.coli-derived Zebrafish PGC1 Alpha/PPARGC1A recombinant protein (Position: M1-R1164).
Form	Lyophilized

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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 PGC1 Alpha/PPARGC1A Antibody Picoband® (AZA0AC58G1P7) Images



Western blot analysis of PGC1 Alpha/PPARGC1A using anti-PGC1 Alpha/PPARGC1A antibody (AZA0AC58G1P7). Electrophoresis was performed on a 8% 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 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-PGC1 Alpha/PPARGC1A antigen affinity purified polyclonal antibody (AZA0AC58G1P7) 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 PGC1 Alpha/PPARGC1A at approximately 102 kDa. The expected band size for PGC1 Alpha/PPARGC1A is at 102 kDa.

Anti-Zebrafish PGC1 Alpha/PPARGC1A Antibody

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