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

Anti-Zebrafish NPR2 Antibody Picoband®

Catalog Number: AZA0A8M3B2U7

About NPR2

Predicted to enable guanylate cyclase activity; natriuretic peptide receptor activity; and peptide hormone binding activity. Acts upstream of or within cardiac muscle cell proliferation. Predicted to be located in membrane. Predicted to be active in plasma membrane. Is expressed in several structures, including fin; head; kidney; neural tube; and oocyte. Human ortholog(s) of this gene implicated in Miura type epiphyseal chondrodysplasia; acromesomelic dysplasia, Maroteaux type; and essential hypertension. Orthologous to human NPR2 (natriuretic peptide receptor 2).

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Overview

Product Name	Anti-Zebrafish NPR2 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish NPR2 Antibody Picoband® catalog # AZA0A8M3B2U7. 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	A0A8M3B2U7

Technical Details

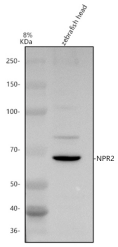
Immunogen	E.coli-derived Zebrafish NPR2 recombinant protein (Position: A53-R522).
Form	Lyophilized

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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 NPR2 Antibody Picoband® (AZA0A8M3B2U7) Images



Western blot analysis of NPR2 using anti-NPR2 antibody (AZA0A8M3B2U7). 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 head 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-NPR2 antigen affinity purified polyclonal antibody (AZA0A8M3B2U7) 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 NPR2 at approximately 60 kDa. The expected band size for NPR2 is at 60, 119 kDa.

Anti-Zebrafish NPR2 Antibody

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