BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Zebrafish Cannabinoid receptor 2/CNR2 Antibody Picoband®

Catalog Number: AZQ20HN0

About CNR2

Predicted to enable cannabinoid receptor activity. Acts upstream of or within several processes, including L-methionine biosynthetic process; hematopoietic stem cell differentiation; and hematopoietic stem cell migration to bone marrow. Predicted to be located in membrane and neuron projection. Predicted to be active in cytoplasm and plasma membrane. Is expressed in several structures, including digestive system; gill; heart; hematopoietic system; and nervous system. Used to study anxiety disorder. Orthologous to human CNR2 (cannabinoid receptor 2).

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Overview

Product Name	Anti-Zebrafish Cannabinoid receptor 2/CNR2 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish Cannabinoid receptor 2/CNR2 Antibody Picoband® catalog # AZQ20HN0. 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	Q20HN0

Technical Details

Immunogen	E.coli-derived Zebrafish Cannabinoid receptor 2/CNR2 recombinant protein (Position: M1-P362).
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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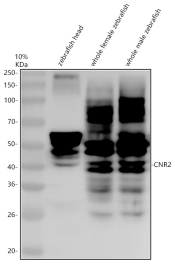
Anti-Zebrafish Cannabinoid receptor 2/CNR2 Antibody Picoband® (AZQ20HN0) Images



Western blot analysis of Cannabinoid receptor 2/CNR2 using anti-Cannabinoid receptor 2/CNR2 antibody (AZQ20HN0). 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-Cannabinoid receptor 2/CNR2 antigen affinity purified polyclonal antibody (AZQ20HN0) 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 Cannabinoid receptor 2/CNR2 at approximately 43 kDa. The expected band size for Cannabinoid receptor 2/CNR2 is at 43 kDa.

Anti-Zebrafish Cannabinoid receptor 2/CNR2 Antibody

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