BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Zebrafish Glucocorticoid receptor/NR3C1 Antibody Picoband®

Catalog Number: AZQ1XHK0

About NR3C1

The glucocorticoid receptor (GR, or GCR), also known as NR3C1, is the receptor to which cortisol and other glucocorticoids bind. In humans, the GR protein is encoded by NR3C1 gene which is located on chromosome 5 (5q31). GR is expressed in almost every cell in the body and regulates genes controlling the development, metabolism, and immune response. Because the receptor gene is expressed in several forms, it has many different (pleiotropic) effects in different parts of the body. The activated GR complex up-regulates the expression of anti-inflammatory proteins in the nucleus or represses the expression of pro-inflammatory proteins in the cytosol (by preventing the translocation of other transcription factors from the cytosol into the nucleus).

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Overview

Product Name	Anti-Zebrafish Glucocorticoid receptor/NR3C1 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish Glucocorticoid receptor/NR3C1 Antibody Picoband® catalog #AZQ1XHK0. 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	Q1XHK0

Technical Details

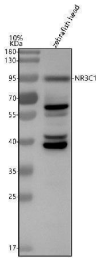
Immunogen	E.coli-derived zebrafish Glucocorticoid receptor/NR3C1 recombinant protein (Position: M1-K746)

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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 Glucocorticoid receptor/NR3C1 Antibody Picoband® (AZQ1XHK0) Images



Western blot analysis of Glucocorticoid receptor/NR3C1 using anti-Glucocorticoid receptor/NR3C1 antibody (AZQ1XHK0). 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.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-Glucocorticoid receptor/NR3C1 antigen affinity purified polyclonal antibody (AZQ1XHK0) 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 Glucocorticoid receptor/NR3C1 at approximately 94 kDa. The expected band size for Glucocorticoid receptor/NR3C1 is at 82 kDa.

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