BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Zebrafish STAT5A Antibody Picoband®

Catalog Number: AZQ68SP3

About STAT5A

Enables DNA binding activity and DNA-binding transcription factor activity. Acts upstream of or within several processes, including hemopoiesis; regulation of hemopoiesis; and regulation of primary metabolic process. Predicted to be located in cytosol. Predicted to be part of RNA polymerase II transcription regulator complex. Predicted to be active in cytoplasm and nucleus. Is expressed in adaxial cell; female organism; liver; and telencephalon. Used to study growth hormone insensitivity syndrome with immune dysregulation 1. Human ortholog(s) of this gene implicated in colon adenocarcinoma; colorectal adenocarcinoma; growth hormone insensitivity syndrome with immune dysregulation 1; and growth hormone insensitivity syndrome with immune dysregulation 2. Orthologous to several human genes including STAT5B (signal transducer and activator of transcription 5B).

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Overview

Product Name	Anti-Zebrafish STAT5A Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish STAT5A Antibody Picoband® catalog # AZQ68SP3. 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	Q68SP3

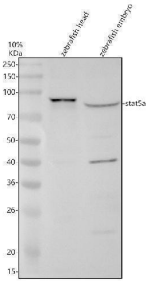
Technical Details

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Immunogen	E.coli-derived Zebrafish STAT5A recombinant protein (Position: D62-H726).
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 STAT5A Antibody Picoband® (AZQ68SP3) Images



Western blot analysis of STAT5A using anti-STAT5A antibody (AZQ68SP3). 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: 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-STAT5A antigen affinity purified polyclonal antibody (AZQ68SP3) 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 STAT5A at approximately 87 kDa. The expected band size for STAT5A is at 87 kDa.

Anti-Zebrafish STAT5A Antibody

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