BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Zebrafish BBS1 Antibody Picoband®

Catalog Number: AZA4QP86

About BBS1

Predicted to enable patched binding activity and smoothened binding activity. Involved in cilium assembly. Acts upstream of or within several processes, including Kupffer's vesicle development; cholesterol homeostasis; and morphogenesis of an epithelium. Predicted to be located in centriolar satellite and ciliary membrane. Predicted to be part of BBSome. Predicted to be active in axoneme and centrosome. Is expressed in eye; heart; kidney; photoreceptor outer segment layer; and testis. Used to study Bardet-Biedl syndrome. Human ortholog(s) of this gene implicated in Bardet-Biedl syndrome and Bardet-Biedl syndrome 1. Orthologous to human BBS1 (Bardet-Biedl syndrome 1).

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Overview

Product Name	Anti-Zebrafish BBS1 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish BBS1 Antibody Picoband® catalog # AZA4QP86. 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	A4QP86

Technical Details

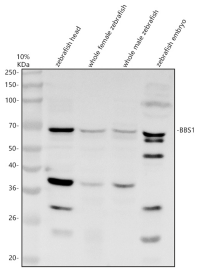
Immunogen	E.coli-derived Zebrafish BBS1 recombinant protein (Position: K111-D450).
Form	Lyophilized

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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 BBS1 Antibody Picoband® (AZA4QP86) Images



Western blot analysis of BBS1 using anti-BBS1 antibody (AZA4QP86). 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, Lane 4: 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-BBS1 antigen affinity purified polyclonal antibody (AZA4QP86) 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 BBS1 at approximately 65 kDa. The expected band size for BBS1 is at 65 kDa.

Anti-Zebrafish BBS1 Antibody

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