BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Zebrafish STXBP1a/b Antibody Picoband®

Catalog Number: AZA0A0R4IQM9

About STXBP1a/b

Predicted to enable syntaxin-1 binding activity. Predicted to be involved in intracellular protein transport; presynaptic dense core vesicle exocytosis; and vesicle docking involved in exocytosis. Predicted to act upstream of or within protein transport and vesicle-mediated transport. Predicted to be located in cytoplasm and membrane. Predicted to be active in plasma membrane and secretory granule. Is expressed in nervous system. Human ortholog(s) of this gene implicated in West syndrome and developmental and epileptic encephalopathy 4. Orthologous to human STXBP1 (syntaxin binding protein 1).

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Overview

Product Name	Anti-Zebrafish STXBP1a/b Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish STXBP1a/b Antibody Picoband® catalog # AZA0A0R4IQM9. 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	A0A0R4IQM9/A2BGE0

Technical Details

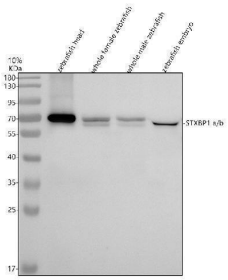
Immunogen	E.coli-derived zebrafish STXBP1a/b recombinant protein (Position: K184-R227).
Form	Lyophilized

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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 STXBP1a/b Antibody Picoband® (AZA0A0R4IQM9) Images



Western blot analysis of STXBP1a/b using anti-STXBP1a/b antibody (AZA0A0R4IQM9). 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: whole female zebrafish tissue lysates, Lane 3: whole male zebrafish tissue lysates, Lane 4: 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-STXBP1a/b antigen affinity purified polyclonal antibody (AZA0A0R4IQM9) 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 STXBP1a/b at approximately 68 kDa. The expected band size for STXBP1a/b is at 68 kDa.

Anti-Zebrafish STXBP1a/b Antibody

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