

Anti-Zebrafish PTENA Antibody Picoband®

Catalog Number: AZQ6PC66

About PTENA

Enables lipid phosphatase activity. Acts upstream of or within several processes, including hepatocyte proliferation; lifelong otolith mineralization; and phosphatidylinositol dephosphorylation. Predicted to be located in several cellular components, including PML body; dendritic spine; and postsynaptic density. Predicted to be active in several cellular components, including cytosol; nucleus; and plasma membrane. Is expressed in several structures, including nervous system; oocyte; otic vesicle; presumptive neural retina; and ventral wall of dorsal aorta. Human ortholog(s) of this gene implicated in several diseases, including PTEN hamartoma tumor syndrome (multiple); breast cancer (multiple); liver disease (multiple); nervous system cancer (multiple); and reproductive organ cancer (multiple). Orthologous to human PTEN (phosphatase and tensin homolog).

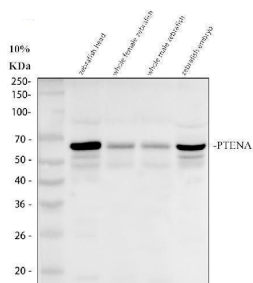
Overview

Product Name	Anti-Zebrafish PTENA Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish PTENA Antibody Picoband® catalog # AZQ6PC66. 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 Na ₂ HPO ₄ .
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	Q6PC66

Technical Details

Immunogen	E.coli-derived Zebrafish PTENA recombinant protein (Position: H61-V452).
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

Anti-Zebrafish PTENA Antibody Picoband® (AZQ6PC66) Images



Western blot analysis of PTENA using anti-PTENA antibody (AZQ6PC66). 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-PTENA antigen affinity purified polyclonal antibody (AZQ6PC66) 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 PTENA at approximately 60 kDa. The expected band size for PTENA is at 52 kDa.

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