

Anti-Zebrafish THRAA Antibody Picoband®

Catalog Number: AZQ98867

About THRAA

Enables nuclear receptor activity. Involved in negative regulation of transcription by RNA polymerase II and positive regulation of transcription by RNA polymerase II. Acts upstream of or within several processes, including positive regulation of sarcomere organization; thyroid hormone receptor signaling pathway; and ventricular system development. Located in nucleus. Is expressed in several structures, including blastodisc; muscle; nervous system; optic cup; and pleuroperitoneal region. Used to study hypothyroidism. Human ortholog(s) of this gene implicated in congenital nongoitrous hypothyroidism 6 and renal cell carcinoma. Orthologous to human THRA (thyroid hormone receptor alpha).

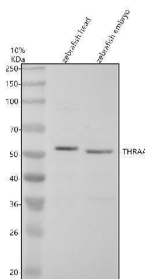
Overview

Product Name	Anti-Zebrafish THRAA Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish THRAA Antibody Picoband® catalog # AZQ98867. 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	Q98867

Technical Details

Immunogen	E.coli-derived Zebrafish THRAA recombinant protein (Position: M1-H365).
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 µg/ml, Zebrafish

Anti-Zebrafish THRAA Antibody Picoband® (AZQ98867) Images



Western blot analysis of THRAA using anti-THRAA antibody (AZQ98867). 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-THRAA antigen affinity purified polyclonal antibody (AZQ98867) 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 THRAA at approximately 52 kDa. The expected band size for THRAA is at 49 kDa.

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