

Anti-Zebrafish CYP1A Antibody Picoband®

Catalog Number: AZQ8UW07

About CYP1A

Predicted to enable monooxygenase activity. Acts upstream of or within cellular response to xenobiotic stimulus. Predicted to be located in endoplasmic reticulum membrane. Predicted to be active in intracellular membrane-bounded organelle. Is expressed in several structures, including digestive system; pectoral fin bud; pericardial region; tail bud; and vasculature. Human ortholog(s) of this gene implicated in several diseases, including autoimmune disease (multiple); diabetes mellitus (multiple); gastrointestinal system cancer (multiple); hematologic cancer (multiple); and lung disease (multiple). Orthologous to several human genes including CYP1A2 (cytochrome P450 family 1 subfamily A member 2).

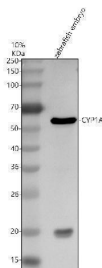
Overview

Product Name	Anti-Zebrafish CYP1A Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish CYP1A Antibody Picoband® catalog # AZQ8UW07. 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	Q8UW07

Technical Details

Immunogen	E.coli-derived Zebrafish CYP1A recombinant protein (Position: Y28-F519).
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 CYP1A Antibody Picoband® (AZQ8UW07) Images



Western blot analysis of CYP1A using anti-CYP1A antibody (AZQ8UW07). 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 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-CYP1A antigen affinity purified polyclonal antibody (AZQ8UW07) 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 CYP1A at approximately 58 kDa. The expected band size for CYP1A is at 58 kDa.

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Anti-Zebrafish CYP1A Antibody

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