

Anti-Zebrafish FADS2 Antibody Picoband®

Catalog Number: AZQ9DEX7

About FADS2

Predicted to enable oxidoreductase activity, acting on paired donors, with oxidation of a pair of donors resulting in the reduction of molecular oxygen to two molecules of water. Acts upstream of or within liver development. Predicted to be located in endoplasmic reticulum membrane. Is expressed in several structures, including alar plate midbrain region; fat cell; nervous system; optic vesicle; and pleuroperitoneal region. Orthologous to several human genes including FADS2 (fatty acid desaturase 2).

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Overview

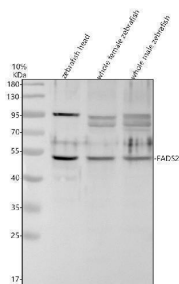
Product Name	Anti-Zebrafish FADS2 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish FADS2 Antibody Picoband® catalog # AZQ9DEX7. Tested in WB applications. This antibody reacts with Zebrafish. The brand Picoband indicates this is a premium antibody that guarantees superior 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	Q9DEX7

Technical Details

Immunogen	E.coli-derived Zebrafish FADS2 recombinant protein (Position: Q6-T418).
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 FADS2 Antibody Picoband® (AZQ9DEX7) Images



Western blot analysis of FADS2 using anti-FADS2 antibody (AZQ9DEX7). 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. 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-FADS2 antigen affinity purified polyclonal antibody (AZQ9DEX7) 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 FADS2 at approximately 52 kDa. The expected band size for FADS2 is at 45 kDa.

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