BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Zebrafish NANOS1 Antibody Picoband®

Catalog Number: AZE7FDB3

About NANOS1

Predicted to enable mRNA binding activity and translation repressor activity. Predicted to be involved in negative regulation of translation and oogenesis. Located in germ plasm and perinuclear region of cytoplasm. Is expressed in blastomere; cerebellum; hindbrain; midbrain hindbrain boundary; and primordial germ cell. Human ortholog(s) of this gene implicated in spermatogenic failure 12. Orthologous to human NANOS1 (nanos C2HC-type zinc finger 1).

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Overview

Product Name	Anti-Zebrafish NANOS1 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish NANOS1 Antibody Picoband® catalog # AZE7FDB3. 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	E7FDB3

Technical Details

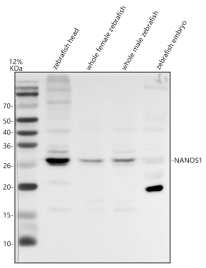
Immunogen	E.coli-derived Zebrafish NANOS1 recombinant protein (Position: N23-D173).
Form	Lyophilized

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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 NANOS1 Antibody Picoband® (AZE7FDB3) Images



Western blot analysis of NANOS1 using anti-NANOS1 antibody (AZE7FDB3). Electrophoresis was performed on a 12% 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 lysates, Lane 2: whole female zebrafish lysates, Lane 3: whole male zebrafish lysates, Lane 4: zebrafish embryo 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-NANOS1 antigen affinity purified polyclonal antibody (AZE7FDB3) 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 NANOS1 at approximately 25 kDa. The expected band size for NANOS1 is at 25 kDa.

Anti-Zebrafish NANOS1 Antibody

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