BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Zebrafish DNMT1 Antibody Picoband®

Catalog Number: AZA0A8M6YUX4

About DNMT1

Enables DNA (cytosine-5-)-methyltransferase activity, acting on CpG substrates. Acts upstream of or within several processes, including camera-type eye development; digestive system development; and hemopoiesis. Predicted to be active in nucleus. Is expressed in several structures, including digestive system; immature eye; nervous system; neural tube; and pectoral fin. Human ortholog(s) of this gene implicated in Graves' disease; autosomal dominant cerebellar ataxia, deafness and narcolepsy; hereditary sensory neuropathy; hereditary sensory neuropathy type 1E; and lung non-small cell carcinoma. Orthologous to human DNMT1 (DNA methyltransferase 1).

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Overview

Product Name	Anti-Zebrafish DNMT1 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish DNMT1 Antibody Picoband® catalog # AZA0A8M6YUX4. 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	A0A8M6YUX4

Technical Details

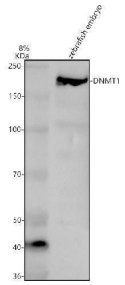
Immunogen	E.coli-derived Zebrafish DNMT1 recombinant protein (Position: E11-D1505).
Form	Lyophilized

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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 DNMT1 Antibody Picoband® (AZA0A8M6YUX4) Images



Western blot analysis of DNMT1 using anti-DNMT1 antibody (AZA0A8M6YUX4). Electrophoresis was performed on a 8% 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-DNMT1 antigen affinity purified polyclonal antibody (AZA0A8M6YUX4) 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 DNMT1 at approximately 169 kDa. The expected band size for DNMT1 is at 169 kDa.

Anti-Zebrafish DNMT1 Antibody

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