BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Zebrafish ERCC2 Antibody Picoband®

Catalog Number: AZF1Q5E7

About ERCC2

Predicted to enable DNA helicase activity and damaged DNA binding activity. Acts upstream of or within endodermal digestive tract morphogenesis. Predicted to be active in nucleus. Is expressed in several structures, including digestive system; female organism; gonad; male organism; and precaudal vertebra. Human ortholog(s) of this gene implicated in several diseases, including acoustic neuroma; acquired immunodeficiency syndrome; carcinoma (multiple); hematologic cancer (multiple); and xeroderma pigmentosum (multiple). Orthologous to human ERCC2 (ERCC excision repair 2, TFIIH core complex helicase subunit).

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Overview

Product Name	Anti-Zebrafish ERCC2 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish ERCC2 Antibody Picoband® catalog # AZF1Q5E7. 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	F1Q5E7

Technical Details

Immunogen	E.coli-derived Zebrafish ERCC2 recombinant protein (Position: D240-A760).
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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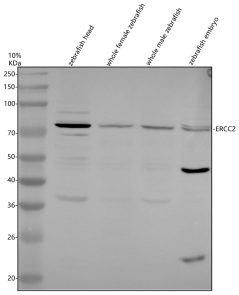
Anti-Zebrafish ERCC2 Antibody Picoband® (AZF1Q5E7) Images



Western blot analysis of ERCC2 using anti-ERCC2 antibody (AZF1Q5E7). 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 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-ERCC2 antigen affinity purified polyclonal antibody (AZF1Q5E7) 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 ERCC2 at approximately 80 kDa. The expected band size for ERCC2 is at 87 kDa.

Anti-Zebrafish ERCC2 Antibody

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