BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Zebrafish NBS1/NBN Antibody Picoband®

Catalog Number: AZQ5I2W8

About NBN

Predicted to enable several functions, including damaged DNA binding activity; phosphorylation-dependent protein binding activity; and protein serine/threonine kinase activator activity. Predicted to be involved in several processes, including DNA metabolic process; R-loop processing; and mitotic G2 DNA damage checkpoint signaling. Predicted to be located in PML body and chromosome. Predicted to be part of Mre11 complex. Predicted to be active in chromosome, telomeric region and site of double-strand break. Human ortholog(s) of this gene implicated in several diseases, including Nijmegen breakage syndrome; acute lymphoblastic leukemia; aplastic anemia; rectum cancer; and reproductive organ cancer (multiple). Orthologous to human NBN (nibrin).

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Overview

Product Name	Anti-Zebrafish NBS1/NBN Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish NBS1/NBN Antibody Picoband® catalog # AZQ5I2W8. 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	Q5I2W8

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of zebrafish NBS1/NBN.(QPVISPASKKWLDSV).

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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

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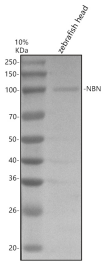
Anti-Zebrafish NBS1/NBN Antibody Picoband® (AZQ5I2W8) Images



Western blot analysis of NBS1/NBN using anti-NBS1/NBN antibody (AZQ5I2W8). 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 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-NBS1/NBN antigen affinity purified polyclonal antibody (AZQ5I2W8) 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 NBS1/NBN at approximately 100 kDa. The expected band size for NBS1/NBN is at 90-100 kDa.

Anti-Zebrafish NBS1/NBN Antibody

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