

Anti-Zebrafish PRPF31 Antibody Picoband®

Catalog Number: AZQ7SXM7

About PRPF31

PRP31 pre-mRNA processing factor 31 homolog (*S. cerevisiae*), also known as PRPF31, is a protein which in humans is encoded by the PRPF31 gene. This gene encodes a component of the spliceosome complex and is one of several retinitis pigmentosa-causing genes. When the gene product is added to the spliceosome complex, activation occurs.

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Overview

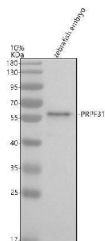
Product Name	Anti-Zebrafish PRPF31 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish PRPF31 Antibody Picoband® catalog # AZQ7SXM7. Tested in WB applications. This antibody reacts with Zebrafish. The brand Picoband indicates this is a premium antibody that guarantees 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	Q7SXM7

Technical Details

Immunogen	E.coli-derived zebrafish PRPF31 recombinant protein (Position: N84-K499).
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 PRPF31 Antibody Picoband® (AZQ7SXM7) Images



Western blot analysis of PRPF31 using anti-PRPF31 antibody (AZQ7SXM7). 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 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-PRPF31 antigen affinity purified polyclonal antibody (AZQ7SXM7) 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 PRPF31 at approximately 55 kDa. The expected band size for PRPF31 is at 55 kDa.

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