

Anti-Zebrafish LAMB1A Antibody Picoband®

Catalog Number: AZQ8JHV7

About LAMB1A

Enables mechanoreceptor activity. Acts upstream of or within several processes, including detection of light stimulus involved in visual perception; determination of left/right asymmetry in lateral mesoderm; and nervous system development. Predicted to be located in perinuclear region of cytoplasm. Predicted to be part of laminin complex. Is expressed in several structures, including digestive system; eye; fin; heart; and optic cup. Used to study coloboma. Human ortholog(s) of this gene implicated in autistic disorder and lissencephaly 5. Orthologous to human LAMB1 (laminin subunit beta 1).

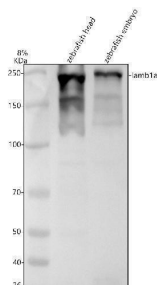
Overview

Product Name	Anti-Zebrafish LAMB1A Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish LAMB1A Antibody Picoband® catalog # AZQ8JHV7. 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	Q8JHV7

Technical Details

Immunogen	E.coli-derived Zebrafish LAMB1A recombinant protein (Position: Q1193-E1772).
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 LAMB1A Antibody Picoband® (AZQ8JHV7) Images



Western blot analysis of LAMB1A using anti-LAMB1A antibody (AZQ8JHV7). 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 head tissue lysates, Lane 2: 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-LAMB1A antigen affinity purified polyclonal antibody (AZQ8JHV7) 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 LAMB1A at approximately 220 kDa. The expected band size for LAMB1A is at 197 kDa.

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Anti-Zebrafish LAMB1A Antibody

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