

Anti-Zebrafish MYO6A Antibody Picoband®

Catalog Number: AZF1Q6Q6

About MYO6A

Predicted to enable actin filament binding activity and microfilament motor activity. Acts upstream of or within blood vessel morphogenesis; inner ear development; and response to auditory stimulus. Predicted to be located in microvillus and ruffle membrane. Predicted to be part of myosin complex. Predicted to be active in several cellular components, including actin cytoskeleton; endocytic vesicle; and ruffle. Is expressed in dorsal aorta; neural tube; posterior cardinal vein; and somite. Human ortholog(s) of this gene implicated in autosomal dominant nonsyndromic deafness 22; autosomal recessive nonsyndromic deafness 37; ovarian cancer; and sensorineural hearing loss. Orthologous to human MYO6 (myosin VI).

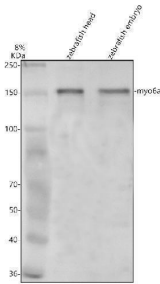
Overview

Product Name	Anti-Zebrafish MYO6A Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish MYO6A Antibody Picoband® catalog # AZF1Q6Q6. Tested in WB, IHC 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	IHC, 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	F1Q6Q6

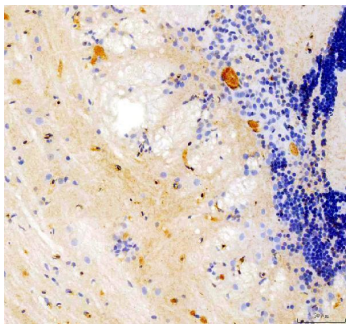
Technical Details

Immunogen	E.coli-derived Zebrafish MYO6A recombinant protein (Position: D27-Q1136).
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 Immunohistochemistry(Paraffin-embedded Section), 2-5 ug/ml, Zebrafish

Anti-Zebrafish MYO6A Antibody Picoband® (AZF1Q6Q6) Images



Western blot analysis of MYO6A using anti-MYO6A antibody (AZF1Q6Q6). 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-MYO6A antigen affinity purified polyclonal antibody (AZF1Q6Q6) 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 MYO6A at approximately 150 kDa. The expected band size for MYO6A is at 144 kDa.



IHC analysis of MYO6A using anti-MYO6A antibody (AZF1Q6Q6). MYO6A was detected in a paraffin-embedded section of zebrafish brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-MYO6A Antibody (AZF1Q6Q6) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

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