

Anti-Zebrafish PDGFRB Antibody Picoband®

Catalog Number: AZD9MNA7

About PDGFRB

Predicted to enable platelet-derived growth factor beta-receptor activity and platelet-derived growth factor binding activity. Involved in several processes, including angiogenesis involved in coronary vascular morphogenesis; platelet-derived growth factor receptor-beta signaling pathway; and positive regulation of phosphatidylinositol 3-kinase/protein kinase B signal transduction. Acts upstream of or within several processes, including embryonic neurocranium morphogenesis; hematopoietic stem cell differentiation; and vasculature development. Predicted to be located in membrane. Predicted to be part of receptor complex. Predicted to be active in plasma membrane. Is expressed in several structures, including digestive system; floor plate neural tube; hypochord; somite; and vasculature. Human ortholog(s) of this gene implicated in basal ganglia calcification; glioblastoma; infantile myofibromatosis; myeloproliferative neoplasm; and renal cell carcinoma. Orthologous to human PDGFRB (platelet derived growth factor receptor beta).

Overview

Product Name	Anti-Zebrafish PDGFRB Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish PDGFRB Antibody Picoband® catalog # AZD9MNA7. 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	D9MNA7

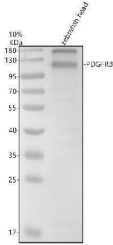
Technical Details

Immunogen	E.coli-derived Zebrafish PDGFRB recombinant protein (Position: N103-R493).
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 PDGFRB Antibody Picoband® (AZD9MNA7) Images



Western blot analysis of PDGFRB using anti-PDGFRB antibody (AZD9MNA7). 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. 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-PDGFRB antigen affinity purified polyclonal antibody (AZD9MNA7) 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 PDGFRB at approximately 120 kDa. The expected band size for PDGFRB is at 120 kDa.

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Anti-Zebrafish PDGFRB Antibody

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