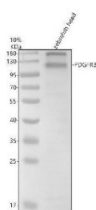


Zebrafish PDGFRB Antibody (RZ1349)

Catalog No.	Formulation	Size
RZ1349	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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Species Reactivity	Zebrafish
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Buffer	Lyophilized from a buffered saline solution containing 2% trehalose. Reconstitute with 0.2 mL distilled water to yield a final antibody concentration of 500 ug/mL.
UniProt	D9MNA7
Applications	Western Blot : 0.5-1ug/ml
Limitations	This Zebrafish PDGFRB Antibody is available for research use only.



Zebrafish PDGFRB Antibody WB. Western blot analysis of PDGFRB using anti-PDGFRB antibody. Electrophoresis was performed on a 10% SDS-PAGE 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 antibody at 0.5 ug/ml overnight at 4oC, 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 WB. Western blotting Substrate 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.

Description

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).

Application Notes

The optimal working dilution of the Zebrafish PDGFRB Antibody should be determined empirically by the investigator.

Immunogen

An E.coli-derived Zebrafish PDGFRB recombinant protein (amino acids N103-R493) was used as the immunogen for the Zebrafish PDGFRB Antibody.

Storage

After reconstitution, the Zebrafish PDGFRB Antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.