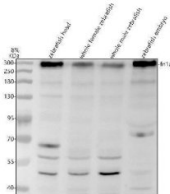


Zebrafish FN1A Antibody (RZ1344)

Catalog No.	Formulation	Size
RZ1344	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	B0S602
Applications	Western Blot : 0.5-1ug/ml
Limitations	This Zebrafish FN1A Antibody is available for research use only.



Zebrafish FN1A Antibody WB. Western blot analysis of FN1A using anti-FN1A antibody. Electrophoresis was performed on a 8% 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, Lane 2: whole female zebrafish tissue lysates, Lane 3: whole male zebrafish tissue lysates, Lane 4: 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-FN1A 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 FN1A at approximately 271 kDa. The expected band size for FN1A is at 271 kDa.

Description

Enables integrin binding activity. Acts upstream of or within with a positive effect on pronephric nephron tubule morphogenesis. Acts upstream of or within several processes, including chordate embryonic development; circulatory system development; and epithelial cell differentiation. Located in interstitial matrix. Is expressed in several structures, including cardiovascular system; mesoderm; nervous system; tail bud; and yolk. Human ortholog(s) of this gene

implicated in calcium oxalate nephrolithiasis; membranoproliferative glomerulonephritis; and spondylometaphyseal dysplasia corner fracture type. Orthologous to human FN1 (fibronectin 1).

Application Notes

The optimal working dilution of the Zebrafish FN1A Antibody should be determined empirically by the investigator.

Immunogen

An E.coli-derived Zebrafish FN1A recombinant protein (amino acids F1936-R2241) was used as the immunogen for the Zebrafish FN1A Antibody.

Storage

After reconstitution, the Zebrafish FN1A Antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.