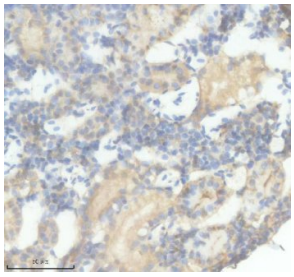
Zebrafish IFNPHI3 Antibody (RZ1343)

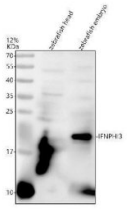
Catalog No.	Formulation	Size
RZ1343	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

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	A8E6E3
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml
Limitations	This Zebrafish IFNPHI3 Antibody is available for research use only.



Zebrafish IFNPHI3 Antibody IHC. Immunohistochemistry analysis of IFNPHI3 using anti-IFNPHI3 antibody. IFNPHI3 was detected in a paraffin-embedded section of zebrafish kidney tissue. Heat mediated antigen retrieval was performed in EDTA buffer. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-IFNPHI3 Antibody overnight at 4oC. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37oC. The tissue section was developed using DAB as the chromogen.



Zebrafish IFNPHI3 Antibody WB. Western blot analysis of IFNPHI3 using anti-IFNPHI3 antibody. Electrophoresis was performed on a 12% 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: 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-IFNPHI3 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 IFNPHI3 at approximately 21 kDa. The expected band size for IFNPHI3 is at 21 kDa.

Description

Predicted to enable cytokine activity and cytokine receptor binding activity. Acts upstream of or within defense response to virus. Predicted to be located in extracellular space. Is expressed in gill; head kidney; integument; and spleen. Human ortholog(s) of this gene implicated in several diseases, including Crimean-Congo hemorrhagic fever; cerebral infarction; common cold; hepatitis B; and liver disease (multiple). Orthologous to several human genes including IFNA1 (interferon alpha 1); IFNA13 (interferon alpha 13); and IFNA14 (interferon alpha 14).

Application Notes

The optimal working dilution of the Zebrafish IFNPHI3 Antibody should be determined empirically by the investigator.

Immunogen

An E.coli-derived Zebrafish IFNPHI3 recombinant protein (amino acids N26-N152) was used as the immunogen for the Zebrafish IFNPHI3 Antibody.

Storage

After reconstitution, the Zebrafish IFNPHI3 Antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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