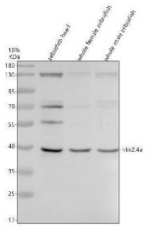
Zebrafish NKX2.4A Antibody (RZ1345)

Catalog No.	Formulation	Size
RZ1345	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	B3DG22
Applications	Western blot: 0.5-1ug/ml
Limitations	This Zebrafish NKX2.4A Antibody is available for research use only.



Zebrafish NKX2.4A Antibody WB. Western blot analysis of NKX2.4A using anti-NKX2.4A 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, Lane 2: whole female zebrafish tissue lysates, Lane 3: whole male zebrafish 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-NKX2.4A 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 NKX2.4A at approximately 38 kDa. The expected band size for NKX2.4A is at 38 kDa.

Description

Predicted to enable DNA-binding transcription factor activity, RNA polymerase II-specific and RNA polymerase II cis-regulatory region sequence-specific DNA binding activity. Acts upstream of or within hypothalamus development. Predicted to be active in nucleus. Is expressed in caudal tuberculum; diencephalon; forebrain; hypothalamus; and intermediate hypothalamus. Orthologous to human NKX2-4 (NK2 homeobox 4).

Application Notes

The optimal working dilution of the Zebrafish NKX2.4A Antibody should be determined empirically by the investigator.

Immunogen

An E.coli-derived Zebrafish NKX2.4A recombinant protein (amino acids I20-W336) was used as the immunogen for the Zebrafish NKX2.4A Antibody.

Storage

After reconstitution, the Zebrafish NKX2.4A 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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