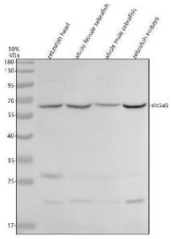
Zebrafish SLC5A5 Antibody (RZ1342)

Catalog No.	Formulation	Size
RZ1342	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	A4IG60
Applications	Western blot: 0.5-1ug/ml
Limitations	This Zebrafish SLC5A5 Antibody is available for research use only.



Zebrafish SLC5A5 Antibody WB. Western blot analysis of SLC5A5 using anti-SLC5A5 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, 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-SLC5A5 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 SLC5A5 at approximately 65 kDa. The expected band size for SLC5A5 is at 64 kDa.

Description

Enables sodium:iodide symporter activity. Predicted to be involved in iodide transmembrane transport and sodium ion transport. Predicted to act upstream of or within monoatomic ion transport. Predicted to be located in plasma membrane. Is expressed in brain; ovary; pharynx; thyroid follicle; and thyroid primordium. Human ortholog(s) of this gene implicated in congenital hypothyroidism and thyroid dyshormonogenesis 1. Orthologous to human SLC5A5 (solute carrier family 5

member 5).

Application Notes

The optimal working dilution of the Zebrafish SLC5A5 Antibody should be determined empirically by the investigator.

Immunogen

An E.coli-derived Zebrafish SLC5A5 recombinant protein (amino acids N262-I601) was used as the immunogen for the Zebrafish SLC5A5 Antibody.

Storage

After reconstitution, the Zebrafish SLC5A5 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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