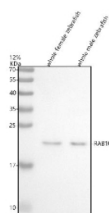


Zebrafish Rab10 Antibody (RZ1019)

Catalog No.	Formulation	Size
RZ1019	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	2-3 weeks
Species Reactivity	Zebrafish
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q6DGV5
Applications	Western Blot : 0.5-1 ug/ml
Limitations	This Zebrafish Rab10 antibody is available for research use only.



Western blot analysis of Rab10 protein using Zebrafish Rab10 antibody and 1) whole female zebrafish and 2) 1) whole male zebrafish tissue lysate. Predicted molecular weight ~22 kDa.

Description

Ras-related protein Rab-10 is a protein that in humans is encoded by the RAB10 gene. RAB10 belongs to the RAS superfamily of small GTPases. And RAB proteins localize to exocytic and endocytic compartments and regulate intracellular vesicle trafficking. The RAB10 gene is mapped to chromosome 2p23.1-p22.3 by radiation hybrid analysis. It was found that the purified recombinant GAP domain of human AS160 showed GAP activity with RAB2A, RAB8A, RAB10, and RAB14, but not with 14 other RABs. Immunoblot analysis showed that these RABs associated with Glut4-positive vesicles in mouse adipocytes. Thereby, it concluded that AK160 functions as a RAB GAP and that RABs may participate in GLUT4 translocation.

Application Notes

Optimal dilution of the Zebrafish Rab10 antibody should be determined by the researcher.

Immunogen

An E.coli-derived zebrafish Rab10 recombinant protein (amino acids A153-C200) was used as the immunogen for the Zebrafish Rab10 antibody.

Storage

After reconstitution, the Zebrafish Rab10 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.