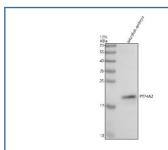


# Zebrafish Ptp4a2 Antibody / Protein tyrosine phosphatase type IVA 2 (RZ1072)

Catalog No.	Formulation	Size
RZ1072	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	Q5U3R3
Applications	Western Blot : 0.5-1 ug/ml
Limitations	This Zebrafish Ptp4a2 antibody is available for research use only.



Western blot analysis of Ptp4a2 protein using Zebrafish Ptp4a2 antibody and zebrafish embryo tissue lysate. The predicted molecular weight of Ptp4a2 is ~19 kDa.

## **Description**

Protein tyrosine phosphatase type IVA 2 is an enzyme that in humans is encoded by the PTP4A2 gene. The protein encoded by this gene belongs to a small class of the protein tyrosine phosphatase (PTP) family. PTPs are cell signaling molecules that play regulatory roles in a variety of cellular processes. PTPs in this class contain a protein tyrosine phosphatase catalytic domain and a characteristic C-terminal prenylation motif. This PTP has been shown to primarily associate with plasmic and endosomal membrane through its C-terminal prenylation. This PTP was found to interact with the beta-subunit of Rab geranylgeranyltransferase II (beta GGT II), and thus may function as a regulator of GGT II activity. Overexpression of this gene in mammalian cells conferred a transformed phenotype, which suggested its role in

tumorigenesis. Alternatively spliced transcript variants have been described. Related pseudogenes exist on chromosomes 11, 12 and 17.

# **Application Notes**

Optimal dilution of the Zebrafish Ptp4a2 antibody should be determined by the researcher.

## **Immunogen**

An E.coli-derived zebrafish Ptp4a2 recombinant protein (amino acids M7-D75) was used as the immunogen for the Zebrafish Ptp4a2 antibody.

## **Storage**

After reconstitution, the Zebrafish Ptp4a2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.