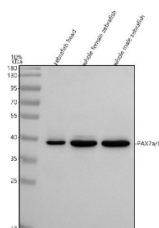


Zebrafish Pax2 Antibody / Pax2a / Pax2b (RZ1136)

Catalog No.	Formulation	Size
RZ1136	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	Q90268, O93370
Applications	Western Blot : 0.5-1 ug/ml
Limitations	This Zebrafish Pax2 antibody is available for research use only.



Western blot analysis of Pax2 protein using Zebrafish Pax2 antibody and 1) zebrafish head, 2) whole female zebrafish and 3) whole male zebrafish tissue lysate. Predicted molecular weight ~42 kDa (Pax2b) and ~44 kDa (Pax2a).

Description

Paired box gene 2, also known as PAX2, is a protein which in humans is encoded by the PAX2 gene. This gene is mapped to 10q24. PAX2 encodes paired box gene 2, one of many human homologues of the *Drosophila melanogaster* gene *prd*. The central feature of this transcription factor gene family is the conserved DNA-binding paired box domain. PAX2 is believed to be a target of transcriptional suppression by the tumor suppressor gene WT1. Mutations within PAX2 have been shown to result in optic nerve colobomas and renal hypoplasia. Alternative splicing of this gene results in multiple transcript variants.

Application Notes

Optimal dilution of the Zebrafish Pax2 antibody should be determined by the researcher.

Immunogen

An E.coli-derived zebrafish Pax2 recombinant protein (amino acids E240-Q282) was used as the immunogen for the Zebrafish Pax2 antibody. This antibody will detect the a and b isoforms.

Storage

After reconstitution, the Zebrafish Pax2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.