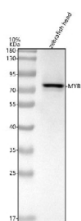


Zebrafish c-Myb Antibody / Myb (RZ1210)

Catalog No.	Formulation	Size
RZ1210	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	F1QP25, F1QP24
Applications	Western Blot : 0.5-1ug/ml
Limitations	This Zebrafish C-myb antibody is available for research use only.



Western blot analysis of c-Myb protein using Zebrafish c-Myb antibody and zebrafish head tissue lysates. Predicted molecular weight ~67 kDa and ~72 kDa (two isoforms).

Description

c-Myb is a transcription factor that plays a critical role in the regulation of gene expression during the development and maintenance of hematopoietic stem and progenitor cells. In zebrafish, c-Myb is essential for the formation of definitive blood cells and is widely used as a marker of early hematopoiesis.

During zebrafish embryogenesis, c-Myb is expressed in the dorsal aorta, where hematopoietic stem cells first emerge, as well as in the developing thymus and other hematopoietic tissues. It regulates the expression of genes involved in cell proliferation, differentiation, and survival. Loss of c-Myb function leads to defects in blood cell development, particularly in the production of lymphoid and myeloid lineages.

Due to its conserved function in vertebrate hematopoiesis, zebrafish c-Myb is commonly used in research focused on blood development, leukemia, stem cell biology, and gene regulation. Its accessibility in zebrafish models allows for detailed in vivo studies of hematopoietic disorders and drug screening applications.

Application Notes

Optimal dilution of the Zebrafish C-myb antibody should be determined by the researcher.

Immunogen

E. coli-derived zebrafish C-myb recombinant protein (amino acids M1-I590) was used as the immunogen for the Zebrafish C-myb antibody.

Storage

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