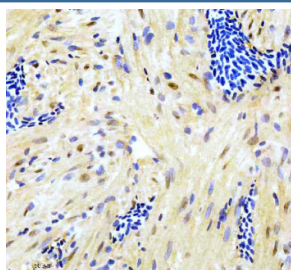


Zebrafish Gata6 Antibody / GATA-binding factor 6 (RZ1191)

Catalog No.	Formulation	Size
RZ1191	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	Q6NW63
Applications	Immunohistochemistry (FFPE) : 2-5ug/ml
Limitations	This Zebrafish Gata6 antibody is available for research use only.



IHC staining of zebrafish Gata6 protein using Zebrafish Gata6 antibody, HRP-labeled secondary and DAB substrate. Gata6 was detected in a paraffin-embedded section of zebrafish heart tissue. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

Description

GATA-binding protein 6 (Gata6) is a zinc finger transcription factor belonging to the GATA family, which regulates gene expression during embryonic development and cell lineage specification. In zebrafish (*Danio rerio*), Gata6 plays a key role in the development of the endoderm, heart, and gut, as well as in organ morphogenesis and tissue differentiation.

During early zebrafish embryogenesis, Gata6 is expressed in the endodermal and mesodermal layers, where it works in concert with Gata4 and Gata5 to specify endodermal fate and initiate the morphogenesis of organs such as the liver, pancreas, and intestine. It also contributes to cardiac progenitor specification and the formation of the heart tube, making it essential for proper cardiovascular development.

Due to its high conservation and central role in organogenesis, zebrafish Gata6 is widely used as a model to study developmental gene regulation, cardiogenesis, and congenital diseases affecting the heart and gastrointestinal tract. It is also a valuable marker for analyzing endodermal derivatives and early tissue patterning in vertebrate embryos.

Application Notes

Optimal dilution of the Zebrafish Gata6 antibody should be determined by the researcher.

Immunogen

E. coli-derived zebrafish Gata6 recombinant protein (amino acids E26-E296) was used as the immunogen for the Zebrafish Gata6 antibody.

Storage

After reconstitution, the Zebrafish Gata6 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.