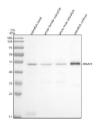


Zebrafish Rbm22 Antibody / RNA-binding protein 22 (RZ1302)

Catalog No.	Formulation	Size
RZ1302	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	Q6NZZ9
Applications	Western Blot : 0.5-1ug/ml
Limitations	This Zebrafish Rbm22 antibody is available for research use only.



Western blot analysis of Rbm22 protein using Zebrafish Rbm22 antibody and 1) zebrafish head, 2) whole female zebrafish, 3) whole male zebrafish and 4) zebrafish embryo tissue lysate. Predicted molecular weight ~47 kDa.

Description

Zebrafish Rbm22, also known as RNA binding motif protein 22, is a nuclear protein that plays an essential role in pre messenger RNA splicing. It is a component of the spliceosome complex and is critical for the correct processing and maturation of RNA transcripts. Rbm22 contains an RNA recognition motif that enables it to bind RNA and participate in the assembly of spliceosomal complexes during the splicing cycle.

Zebrafish Rbm22 is an ortholog of the human RBM22 protein and exhibits a high degree of sequence and functional conservation. In both zebrafish and humans, Rbm22 is involved in regulating alternative splicing events that contribute to the diversity of the transcriptome and the regulation of gene expression. Its function is particularly important during early

development when precise control of splicing is required for cell differentiation and tissue formation.

There is currently limited evidence for multiple isoforms of zebrafish Rbm22, although alternative splicing is a common feature of RNA binding proteins, and further studies may reveal additional isoforms in the future. The zebrafish model provides an excellent system to study the conserved roles of Rbm22 in RNA metabolism and developmental processes.

Antibodies targeting zebrafish Rbm22 protein are valuable for research in RNA biology, splicing regulation, and gene expression studies. Given its orthology to human RBM22, studies using zebrafish Rbm22 can provide insights into conserved mechanisms of splicing regulation and its potential links to human disease.

Application Notes

Optimal dilution of the Zebrafish Rbm22 antibody should be determined by the researcher.

Immunogen

E. coli-derived zebrafish Rbm22 recombinant protein (amino acids D17-R296) was used as the immunogen for the Zebrafish Rbm22 antibody.

Storage

After reconstitution, the Zebrafish Rbm22 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.