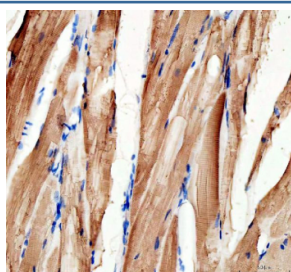


Zebrafish Mylz2 Antibody / Fast skeletal myosin light chain 2 / Mylpfa/b (RZ1326)

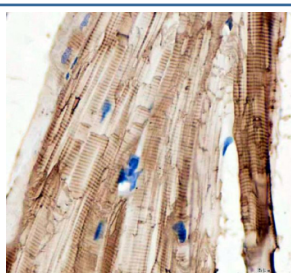
Catalog No.	Formulation	Size
RZ1326	0.5mg/ml in PBS with 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .	200 ul

[Bulk quote request](#)

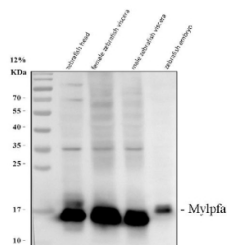
Availability	2-3 weeks
Species Reactivity	Zebrafish
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity chromatography
UniProt	O93409, Q66I73
Localization	Cytoplasm
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml
Limitations	This Zebrafish Mylz2 antibody is available for research use only.



IHC staining of FFPE zebrafish skeletal muscle tissue with Mylz2 antibody, HRP-labeled secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE zebrafish skeletal muscle tissue with Mylz2 antibody, HRP-labeled secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot analysis of Myl2/Mylpfa protein using Zebrafish Myl2 antibody and 1) zebrafish head, 2) whole female zebrafish, 3) whole male zebrafish and 4) zebrafish embryo tissue lysate. Predicted molecular weight ~19 kDa.

Description

Zebrafish Myl2 (Fast skeletal myosin light chain 2), also called Mylpfa (Myosin regulatory light chain 2, skeletal muscle isoform A), is a regulatory component of the myosin complex that modulates actin-myosin interactions in fast-twitch skeletal muscle fibers. It is essential for muscle contraction, fiber stability, and efficient locomotor activity during zebrafish development and adulthood.

Myl2 expression is restricted to fast skeletal muscle, making it a valuable marker for studying muscle specialization and performance. The human ortholog of Myl2 is MYL1, which encodes myosin light chain 1/3, a protein involved in contractile regulation of human skeletal muscle. This conservation underscores its role in fundamental muscle biology across vertebrates.

Using a high-quality Zebrafish Myl2 antibody enables reliable detection in assays such as western blot, immunohistochemistry, and immunofluorescence. A Zebrafish Myl2 antibody from NSJ Bioreagents ensures sensitivity and reproducibility for studies in skeletal muscle development, contractile regulation, and comparative physiology. Selecting the right Zebrafish Myl2 antibody is crucial for generating accurate and consistent results.

Application Notes

Optimal dilution of the Zebrafish Myl2 antibody should be determined by the researcher.

Immunogen

The immunogen used for this Myl2 antibody (Mylpfa) is 100% homologous with Mylpfb.

Storage

Store the Zebrafish Myl2 antibody at -20°C.