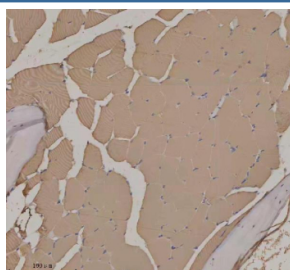


Zebrafish Actba Antibody / Beta actin (RZ1117)

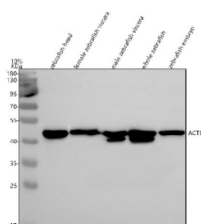
Catalog No.	Formulation	Size
RZ1117	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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	Q7ZVI7
Applications	Western Blot : 0.5-1 ug/ml Immunohistochemistry (FFPE) : 2-5 ug/ml
Limitations	This Zebrafish Actba antibody is available for research use only.



IHC staining of FFPE zebrafish skeletal muscle tissue with Zebrafish Actba antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot analysis of Beta Actin/Actba protein using Zebrafish Actba antibody and 1) zebrafish head, 2) female zebrafish viscera, 3) male zebrafish viscera and 4) whole zebrafish and 5) zebrafish embryo tissue lysate. Predicted molecular weight ~42 kDa.

Description

The primary site of action of cytochalasin B on cell motility processes is beta-actin. Habets et al.(1992) generated hybrids that harbor only specific regions of human chromosome 7 and assigned the ACTB locus to 7p15-p12. ACTB and the other assigned beta-actin-related sequences are dispersed over at least four different chromosomes including one locus assigned to the X chromosome. A mutation of beta-actin that alters depolymerization dynamics is associated with autosomal dominant developmental malformations, deafness, and dystonia.

Application Notes

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

Immunogen

A synthetic peptide corresponding to a sequence at the N-terminus of zebrafish Beta actin/Actba was used as the immunogen for the Zebrafish Actba antibody.

Storage

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