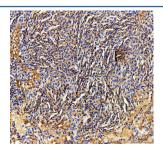


Zebrafish Ckm Antibody / Creatine kinase M / Isoforms a & b (RZ1048)

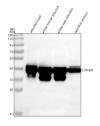
Catalog No.	Formulation	Size
RZ1048	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

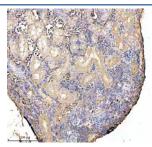
Availability	2-3 weeks
Species Reactivity	Zebrafish
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	A2BHA3
Applications	Western Blot : 0.5-1 ug/ml Immunohistochemistry (FFPE) : 2-5 ug/ml
Limitations	This Zebrafish Ckm antibody is available for research use only.



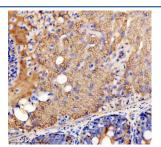
IHC staining of FFPE zebrafish spleen tissue with Zebrafish Ckm antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot analysis of Ckma/b protein using Zebrafish Ckm antibody and 1) zebrafish head, 2) whole female zebrafish, 3) whole male zebrafish and 4) zebrafish embryo tissue lysate. Predicted molecular weight ~43 kDa.



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



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

Description

Creatine kinase, muscle also known as CKM is a creatine kinase that in humans is encoded by the CKM gene. This gene is mapped to 19q13.32. The protein encoded by this gene is a cytoplasmic enzyme involved in energy homeostasis and is an important serum marker for myocardial infarction. The encoded protein reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. It acts as a homodimer in striated muscle as well as in other tissues, and as a heterodimer with a similar brain isozyme in heart. The encoded protein is a member of the ATP:guanido phosphotransferase protein family.

Application Notes

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

Immunogen

An E.coli-derived zebrafish Ckma/b recombinant protein (amino acids M1-K196) was used as the immunogen for the Zebrafish Ckm antibody. This antibody will detect the a and b isoforms.

Storage

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