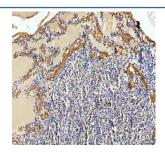


Zebrafish Ckb Antibody / Ckba / Ckbb / Creatine kinase (RZ1160)

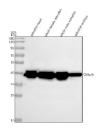
Catalog No.	Formulation	Size
RZ1160	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

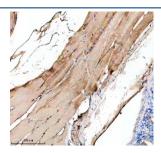
Availability	2-3 weeks
Species Reactivity	Zebrafish
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	A0A8M6Z2B4, Q8AY63
Applications	Western Blot : 0.5-1 ug/ml Immunohistochemistry (FFPE) : 2-5 ug/ml
Limitations	This Zebrafish Ckb antibody is available for research use only.



IHC staining of FFPE zebrafish brain tissue with Zebrafish Ckb antibody, HRP secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot analysis of Ckba/b protein using Zebrafish Ckb 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 skeletal muscle tissue with Zebrafish Ckb antibody, HRP secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

Description

Brain-type creatine kinase also known as CK-BB is a creatine kinase that in humans is encoded by the CKB gene. The protein encoded by this gene is a cytoplasmic enzyme involved in energy homeostasis. The encoded protein reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. It acts as a homodimer in brain as well as in other tissues, and as a heterodimer with a similar muscle isozyme in heart. The encoded protein is a member of the ATP:guanido phosphotransferase protein family. A pseudogene of this gene has been characterized.

Application Notes

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

Immunogen

An E.coli-derived zebrafish Ckba/b recombinant protein (amino acids K7-K382) was used as the immunogen for the Zebrafish Ckb antibody. This antibody will detect the a and b isoforms.

Storage

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