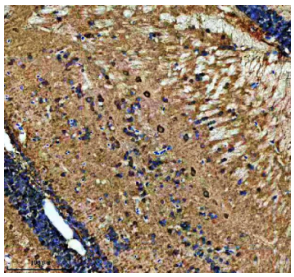
Zebrafish Metap2 Antibody / Methionine aminopeptidase 2 / Isoforms a & b (RZ1042)

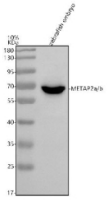
Catalog No.	Formulation	Size
RZ1042	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

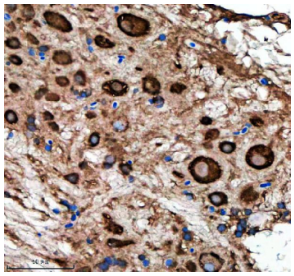
Availability	2-3 weeks
Species Reactivity	Zebrafish
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	A5WVX8, Q7SXK1
Localization	Cytoplasm
Applications	Western Blot : 0.5-1 ug/ml Immunohistochemistry (FFPE) : 2-5 ug/ml
Limitations	This Zebrafish Metap2 antibody is available for research use only.



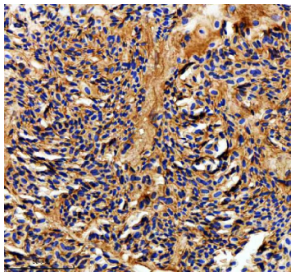
Immunohistochemical analysis of Metap2a/b protein using Zebrafish Metap2 antibody and paraffin-embedded zebrafish brain tissue. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



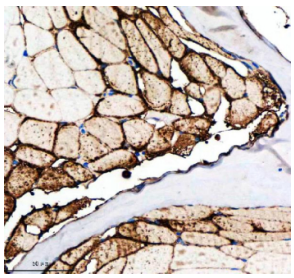
Western blot analysis of Metap2a/b protein using Zebrafish Metap2 antibody and zebrafish embryo tissue lysate. Predicted molecular weight: 50-53 kDa, but may be observed at higher molecular weights due to glycosylation.



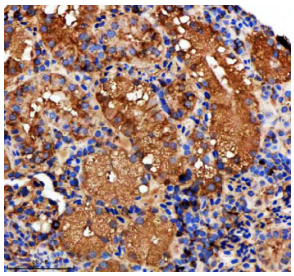
Immunohistochemical analysis of Metap2a/b protein using Zebrafish Metap2 antibody and paraffin-embedded zebrafish spinal cord tissue. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



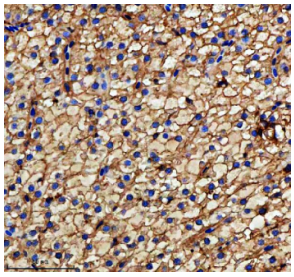
Immunohistochemical analysis of Metap2a/b protein using Zebrafish Metap2 antibody and paraffin-embedded zebrafish heart tissue. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



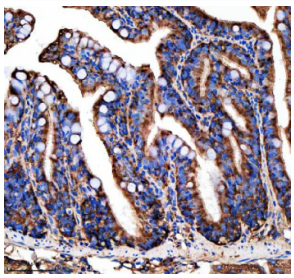
Immunohistochemical analysis of Metap2a/b protein using Zebrafish Metap2 antibody and paraffin-embedded zebrafish muscle tissue. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



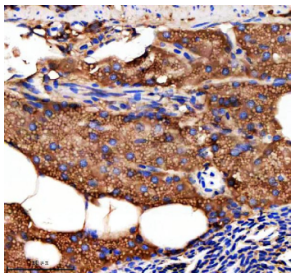
Immunohistochemical analysis of Metap2a/b protein using Zebrafish Metap2 antibody and paraffin-embedded zebrafish kidney tissue. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Immunohistochemical analysis of Metap2a/b protein using Zebrafish Metap2 antibody and paraffin-embedded zebrafish liver tissue. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Immunohistochemical analysis of Metap2a/b protein using Zebrafish Metap2 antibody and paraffin-embedded zebrafish colon tissue. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Immunohistochemical analysis of Metap2a/b protein using Zebrafish Metap2 antibody and paraffin-embedded zebrafish pancreas tissue. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

Description

Methionine aminopeptidase 2 is an enzyme that in humans is encoded by the METAP2 gene. The protein encoded by this gene is a member of the methionyl aminopeptidase family. The encoded protein functions both by protecting the alpha subunit of eukaryotic initiation factor 2 from inhibitory phosphorylation and by removing the amino-terminal methionine residue from nascent proteins. Increased expression of this gene is associated with various forms of cancer, and the anti-cancer drugs fumagillin and ovalicin inhibit the protein by irreversibly binding to its active site. Inhibitors of this gene have also been shown to be effective for the treatment of obesity. A pseudogene of this gene is located on chromosome 2. Several transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the Zebrafish Metap2 antibody should be determined by the researcher.

Immunogen

An E.coli-derived zebrafish Metap2a/b recombinant protein (amino acids E191-R464) was used as the immunogen for the Zebrafish Metap2 antibody. This antibody will detect the a and b isoforms.

Storage

After reconstitution, the Zebrafish Metap2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.