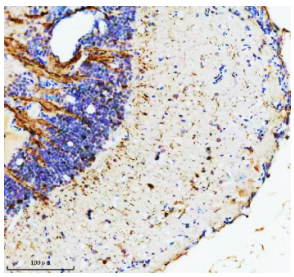
Zebrafish Hypoxanthine phosphoribosyltransferase Antibody / Hprt1 (RZ1111)

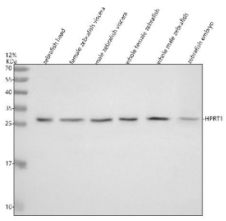
Catalog No.	Formulation	Size
RZ1111	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

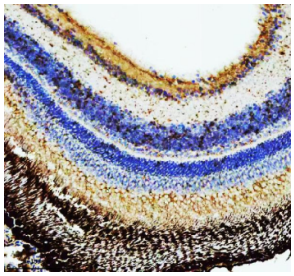
Availability	2-3 weeks
Species Reactivity	Zebrafish
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q7ZV49
Applications	Western Blot : 0.5-1 ug/ml Immunohistochemistry (FFPE) : 2-5 ug/ml
Limitations	This Zebrafish Hypoxanthine phosphoribosyltransferase antibody is available for research use only.



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



Western blot analysis of HPRT1 protein using Zebrafish Hypoxanthine phosphoribosyltransferase antibody and 1) zebrafish head, 2) female zebrafish viscera, 3) male zebrafish viscera, 4) whole female zebrafish, 5) whole male zebrafish and 6) zebrafish embryo tissue lysate. Predicted molecular weight ~25 kDa.



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

Description

Hypoxanthine-guanine phosphoribosyltransferase (HGPRT) is an enzyme encoded in humans by the HPRT1 gene. The protein encoded by this gene is a transferase, which catalyzes conversion of hypoxanthine to inosine monophosphate and guanine to guanosine monophosphate via transfer of the 5-phosphoribosyl group from 5-phosphoribosyl 1-pyrophosphate. This enzyme plays a central role in the generation of purine nucleotides through the purine salvage pathway. Mutations in this gene result in Lesch-Nyhan syndrome or gout.

Application Notes

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

Immunogen

An E.coli-derived zebrafish HPRT1 recombinant protein (amino acids A29-R91) was used as the immunogen for the Zebrafish Hypoxanthine phosphoribosyltransferase antibody.

Storage

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