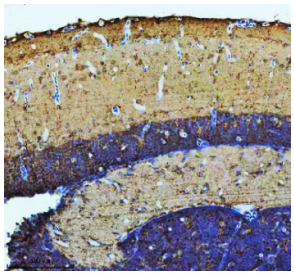
Zebrafish Atp6v1b2 Antibody / Atp6v1bb / Vacuolar proton pump subunit B (RZ1130)

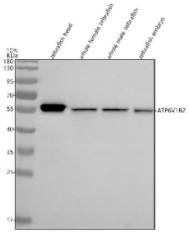
Catalog No.	Formulation	Size
RZ1130	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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	Q8QHA6
Applications	Western Blot : 0.5-1 ug/ml Immunohistochemistry (FFPE) : 2-5 ug/ml
Limitations	This Zebrafish Atp6v1b2 antibody is available for research use only.



IHC staining of FFPE zebrafish brain tissue with Zebrafish Atp6v1b2 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 Atp6v1b2 protein using Zebrafish Atp6v1b2 antibody and 1) zebrafish head, 2) whole female zebrafish, 3) whole male zebrafish and 4) zebrafish embryo tissue lysate. Predicted molecular weight ~57 kDa.

Description

V-type proton ATPase subunit B, brain isoform is an enzyme that in humans is encoded by the ATP6V1B2 gene. This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of eukaryotic intracellular organelles. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. V-ATPase is composed of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain consists of three A, three B, and two G subunits, as well as a C, D, E, F, and H subunit. The V1 domain contains the ATP catalytic site. The protein encoded by this gene is one of two V1 domain B subunit isoforms and is the only B isoform highly expressed in osteoclasts.

Application Notes

Optimal dilution of the Zebrafish Atp6v1b2 antibody should be determined by the researcher.

Immunogen

An E.coli-derived zebrafish Atp6v1b2 recombinant protein (amino acids K488-H509) was used as the immunogen for the Zebrafish Atp6v1b2 antibody.

Storage

After reconstitution, the Zebrafish Atp6v1b2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.