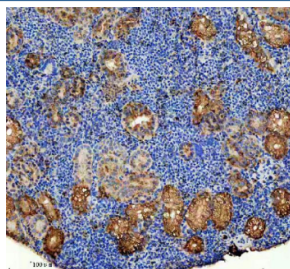


## Zebrafish Abce1 Antibody / ATP binding cassette E1 (RZ1104)

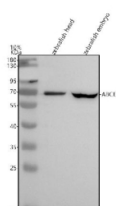
| Catalog No. | Formulation   | Size   |
|-------------|---|--------|
| RZ1104      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

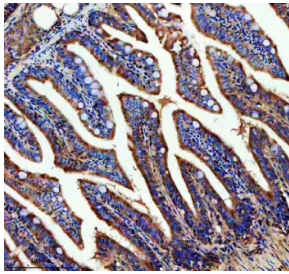
|                           |   |
|---------------------------|---|
| <b>Availability</b>       | 2-3 weeks   |
| <b>Species Reactivity</b> | Zebrafish   |
| <b>Format</b>             | Antigen affinity purified   |
| <b>Clonality</b>          | Polyclonal (rabbit origin)  |
| <b>Isotype</b>            | Rabbit Ig   |
| <b>Purity</b>             | Antigen affinity chromatography                                       |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2% Trehalose                             |
| <b>UniProt</b>            | Q6TNW3  |
| <b>Localization</b>       | Cytoplasm   |
| <b>Applications</b>       | Western Blot : 0.5-1 ug/ml<br>Immunohistochemistry (FFPE) : 2-5 ug/ml |
| <b>Limitations</b>        | This Zebrafish Abce1 antibody is available for research use only.     |



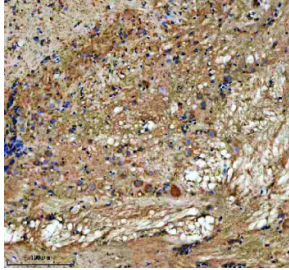
IHC staining of FFPE zebrafish kidney tissue with Zebrafish Abce1 antibody, HRP-secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



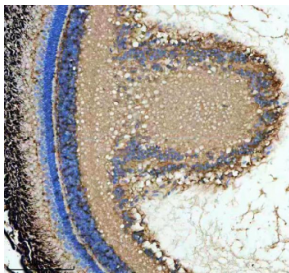
Western blot analysis of ABCE1 protein using Zebrafish Abce1 antibody and zebrafish 1) head and 20 embryo tissue lysate. Predicted molecular weight ~67 kDa.



IHC staining of FFPE zebrafish colon tissue with Zebrafish Abce1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE zebrafish brain tissue with Zebrafish Abce1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE zebrafish retina tissue with Zebrafish Abce1 antibody, HRP-secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

## Description

ATP-binding cassette sub-family E member 1 (ABCE1) also known as RNase L inhibitor (RLI) is an enzyme that in humans is encoded by the ABCE1 gene. The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the OABP subfamily. Alternatively referred to as the RNase L inhibitor, this protein functions to block the activity of ribonuclease L. Activation of ribonuclease L leads to inhibition of protein synthesis in the 2-5A/RNase L system, the central pathway for viral interferon action. Two transcript variants encoding the same protein have been found for this gene.

## Application Notes

Optimal dilution of the Zebrafish Abce1 antibody should be determined by the researcher.

## Immunogen

An E.coli-derived zebrafish ABCE1 recombinant protein (amino acids Q141-D599) was used as the immunogen for the Zebrafish Abce1 antibody.

## Storage

After reconstitution, the Zebrafish Abce1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

