Product datasheet

Anti-Zebrafish ABCE1 Antibody

Catalog Number: ***AZQ6TNW3-1***

BOSTER®
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-Zebrafish ABCE1 Antibody
Gene Name	ABCE1
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	zebrafish
Tested Application	WB, IHC
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived zebrafish ABCE1 recombinant protein (Position: Q141-D599).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	67 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt, -20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

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.

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Selected Validation Data

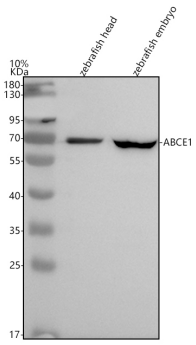

Figure 1. Western blot analysis of ABCE1 using anti-ABCE1 antibody (AZQ6TNW3-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: zebrafish head tissue lysates,
Lane 2: zebrafish embryo tissue lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-ABCE1 antigen affinity purified polyclonal antibody (AZQ6TNW3-1) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for ABCE1 at approximately 67 kDa. The expected band size for ABCE1 is at 67 kDa.

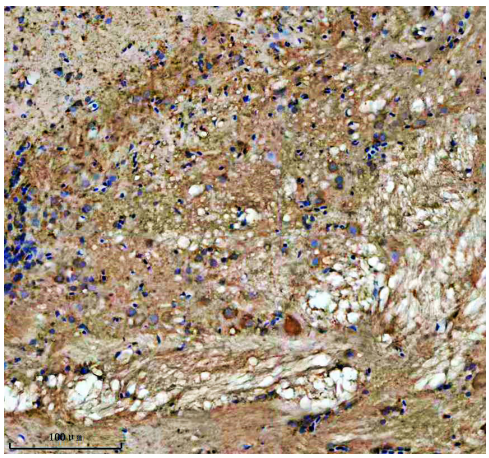

Figure 2. IHC analysis of ABCE1 using anti-ABCE1 antibody (AZQ6TNW3-1) .
ABCE1 was detected in a paraffin-embedded section of zebrafish brain tissue. The tissue section was incubated with rabbit anti-ABCE1 Antibody (AZQ6TNW3-1) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.