

Product Name: KD-Validated ABCE1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01559**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 67.3kDa

Antigen Information

Gene Name	ABCE1 ABCE1; ATP Binding Cassette Subfamily E Member 1; RLI; RNASEL1; RNASELI; RNS4I; OABP; RLI1; ATP-Binding Cassette, Sub-Family E (OABP), Member 1; ATP-Binding Cassette Sub-Family E Member 1; 2'-5'-Oligoadenylate-Binding Protein; Ribonuclease 4 Inhibitor; RNase L Inhibitor 1; HuHP68; Ribonuclease L (2',5'-Oligoisoadenylate Synthetase-Dependent) Inhibitor; RNase L Inhibitor; EC 3.6.5.-; ABC38
Alternative Names	
Gene ID	6059.0
SwissProt ID	P61221
Immunogen	A synthesized peptide derived from human ABCE1

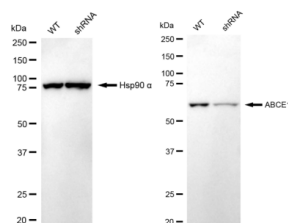
Background

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. [provided by RefSeq, Jul 2008]

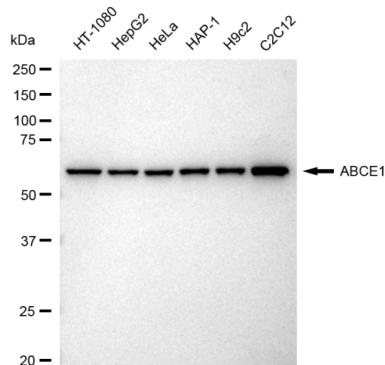
Research Area

Signal Transduction, Immunology

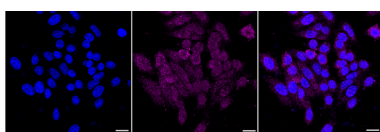
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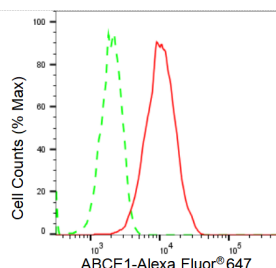
Western blotting analysis using ABCE1 antibody (KVA01559). ABCE1 expression in wild type (WT) and ABCE1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with ABCE1 antibody (KVA01559, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using ABCE1 antibody (KVA01559). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ABCE1 antibody (KVA01559, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with ABCE1 antibody (KVA01559, 1:1,000). Nuclei were stained blue with DAPI; ABCE1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of ABCE1 expression in C2C12 cells using ABCE1 antibody (KVA01559, 1:2,000). Green, isotype control; red, ABCE1.