

Product Name: KD-Validated ABCC1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01403**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
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: 171.6kDa

Antigen Information

Gene Name	ABCC1
Alternative Names	ABCC1; ATP Binding Cassette Subfamily C Member 1 (ABCC1 Blood Group); GS-X; MRP1; MRP; ATP-Binding Cassette, Sub-Family C (CFTR/MRP), Member 1; Glutathione-S-Conjugate-Translocating ATPase ABCC1; ATP Binding Cassette Subfamily C Member 1; Multidrug Resistance-Associated Protein 1; Glutathione S-Conjugate Export Pump; Leukotriene C(4) Transporter; LTC4 Transporter; ATP-Binding Cassette Transporter Variant ABCC1delta-Ex13&14; ATP-Binding Cassette Transporter Variant ABCC1delta-Ex25&26; ATP-Binding Cassette Transporter Variant ABCC1delta-Ex13; ATP-Binding Cassette Transporter Variant ABCC1delta-Ex25; ATP-Binding Cassette Sub-Family C Member 1; Multidrug Resistance Associated Protein 1; EC 3.6.3.44; EC 7.6.2.2; EC 7.6.2.3; EC 3.6.3; DFNA77; ABC29; ABCC

Gene ID	4363.0
SwissProt ID	P33527
Immunogen	A synthesized peptide derived from human MRP1

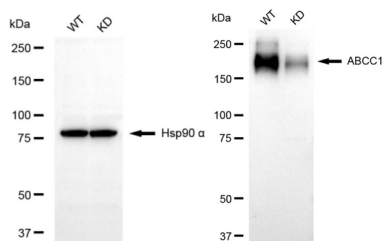
Background

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 full transporter is a member of the MRP subfamily which is involved in multi-drug resistance. This protein functions as a multispecific organic anion transporter, with oxidized glutathione, cysteinyl leukotrienes, and activated aflatoxin B1 as substrates. This protein also transports glucuronides and sulfate conjugates of steroid hormones and bile salts. Alternatively spliced variants of this gene have been described but their full-length nature is unknown. [provided by RefSeq, Apr 2012]

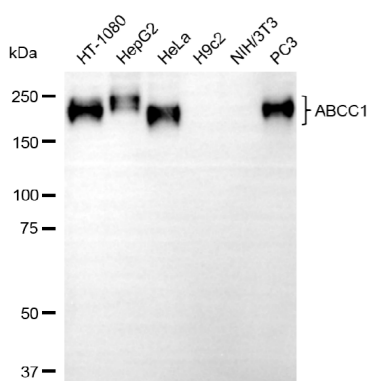
Research Area

Signal Transduction,Cancer,Cardiovascular,Metabolism,Neuroscience

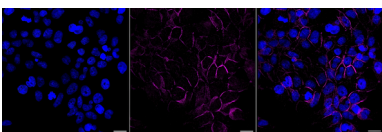
Image Data



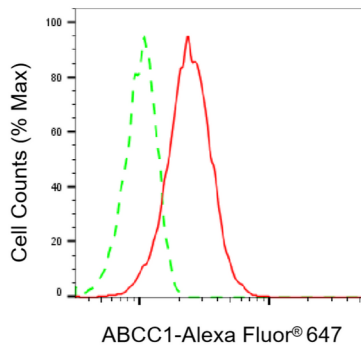
Western blotting analysis using ABCC1 antibody (KVA01403). ABCC1 expression in wild type (WT) and ABCC1 knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with ABCC1 antibody (KVA01403, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using ABCC1 antibody (KVA01403). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ABCC1 antibody (KVA01403, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with ABCC1 antibody (KVA01403, 1:1,000). Nuclei were stained blue with DAPI; ABCC1 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 ABCC1 expression in HeLa cells using ABCC1 antibody (KVA01403, 1:2,000). Green, isotype control; red, ABCC1.