

**ABCC1 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP6596b**

**Specification**

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**ABCC1 Antibody (C-term) - Product Information**

Application	WB, FC,E
Primary Accession	<a href="#">P33527</a>
Other Accession	<a href="#">O35379</a> , <a href="#">O864R9</a> , <a href="#">O8HXQ5</a>
Reactivity	Human
Predicted	Bovine, Monkey, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	171591
Antigen Region	1247-1275

**ABCC1 Antibody (C-term) - Additional Information**

**Gene ID** 4363

**Other Names**

Multidrug resistance-associated protein 1, ATP-binding cassette sub-family C member 1, Leukotriene C(4) transporter, LTC4 transporter, ABCC1, MRP, MRP1

**Target/Specificity**

This ABCC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1247-1275 amino acids from the C-terminal region of human ABCC1.

**Dilution**

WB~~1:1000  
FC~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

ABCC1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**ABCC1 Antibody (C-term) - Protein Information**

**Name** ABCC1 ([HGNC:51](#))

## Synonyms MRP, MRP1

**Function** Mediates export of organic anions and drugs from the cytoplasm (PubMed:[10064732](#), PubMed:[11114332](#), PubMed:[16230346](#), PubMed:[7961706](#), PubMed:[9281595](#)). Mediates ATP-dependent transport of glutathione and glutathione conjugates, leukotriene C4, estradiol-17-beta-o-glucuronide, methotrexate, antiviral drugs and other xenobiotics (PubMed:[10064732](#), PubMed:[11114332](#), PubMed:[16230346](#), PubMed:[7961706](#), PubMed:[9281595](#)). Confers resistance to anticancer drugs by decreasing accumulation of drug in cells, and by mediating ATP- and GSH-dependent drug export (PubMed:[9281595](#)). Hydrolyzes ATP with low efficiency (PubMed:[16230346](#)). Catalyzes the export of sphingosine 1-phosphate from mast cells independently of their degranulation (PubMed:[17050692](#)). Participates in inflammatory response by allowing export of leukotriene C4 from leukotriene C4-synthesizing cells (By similarity). Mediates ATP- dependent, GSH-independent cyclic GMP-AMP (cGAMP) export (PubMed:[36070769](#)). Thus, by limiting intracellular cGAMP concentrations negatively regulates the cGAS-STING pathway (PubMed:[36070769](#)).

## Cellular Location

Cell membrane; Multi-pass membrane protein {ECO:0000255|PROSITE-ProRule:PRU00441, ECO:0000269|PubMed:16230346}

## Tissue Location

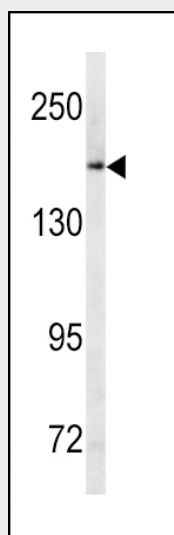
Lung, testis and peripheral blood mononuclear cells

## ABCC1 Antibody (C-term) - Protocols

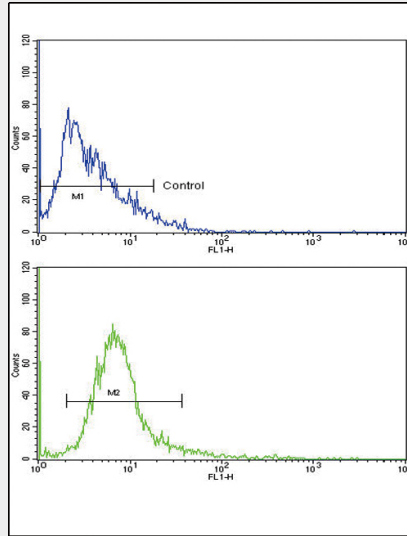
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## ABCC1 Antibody (C-term) - Images



Western blot analysis of ABCC1 antibody (C-term) (Cat. #AP6596b) in Ramos cell line lysates (35ug/lane). ABCC1 (arrow) was detected using the purified Pab.



Flow cytometric analysis of NCI-H292 cells using ABCC1 Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### **ABCC1 Antibody (C-term) - Background**

ABCC1 is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra-and intra-cellular membranes. ABC gene 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.

### **ABCC1 Antibody (C-term) - References**

Siedlinski,M., Pharmacogenet. Genomics 19 (9), 675-684 (2009)