

**ABCC4 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP7436b****Specification**

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**ABCC4 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O15439</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	149527
Antigen Region	1117-1145

**ABCC4 Antibody (C-term) - Additional Information****Gene ID** 10257**Other Names**

Multidrug resistance-associated protein 4, ATP-binding cassette sub-family C member 4, MRP/cMOAT-related ABC transporter, Multi-specific organic anion transporter B, MOAT-B, ABCC4, MRP4

**Target/Specificity**

This ABCC4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1117-1145 amino acids from the C-terminal region of human ABCC4.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**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**

ABCC4 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**ABCC4 Antibody (C-term) - Protein Information****Name** ABCC4

## Synonyms MOATB, MRP4

**Function** ATP-dependent transporter of the ATP-binding cassette (ABC) family that actively extrudes physiological compounds and xenobiotics from cells. Transports a range of endogenous molecules that have a key role in cellular communication and signaling, including cyclic nucleotides such as cyclic AMP (cAMP) and cyclic GMP (cGMP), bile acids, steroid conjugates, urate, and prostaglandins (PubMed:[11856762](#), PubMed:[12523936](#), PubMed:[12835412](#), PubMed:[12883481](#), PubMed:[15364914](#), PubMed:[15454390](#), PubMed:[16282361](#), PubMed:[17959747](#), PubMed:[18300232](#), PubMed:[26721430](#)). Mediates the ATP-dependent efflux of glutathione conjugates such as leukotriene C4 (LTC4) and leukotriene B4 (LTB4) too. The presence of GSH is necessary for the ATP-dependent transport of LTB4, whereas GSH is not required for the transport of LTC4 (PubMed:[17959747](#)). Mediates the cotransport of bile acids with reduced glutathione (GSH) (PubMed:[12523936](#), PubMed:[12883481](#), PubMed:[16282361](#)). Transports a wide range of drugs and their metabolites, including anticancer, antiviral and antibiotics molecules (PubMed:[11856762](#), PubMed:[12105214](#), PubMed:[15454390](#), PubMed:[17344354](#), PubMed:[18300232](#)). Confers resistance to anticancer agents such as methotrexate (PubMed:[11106685](#)).

## Cellular Location

Basolateral cell membrane; Multi-pass membrane protein. Apical cell membrane; Multi-pass membrane protein. Note=Its localization to the basolateral or apical membranes is tissue-dependent.

## Tissue Location

Widely expressed, with particularly high levels in prostate, but is barely detectable in liver. sinusoidal membrane of hepatocytes

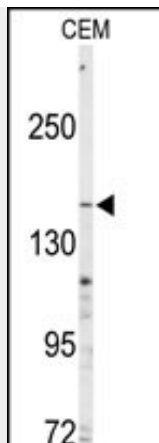
## ABCC4 Antibody (C-term) - Protocols

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](#)

## ABCC4 Antibody (C-term) - Images





Western blot analysis of anti-ABCC4 Antibody (C-term)(Cat.#AP7436b) in CEM cell line lysates (35ug/lane). ABCC4 (arrow) was detected using the purified Pab.

#### **ABCC4 Antibody (C-term) - Background**

ABCC4 is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC proteins are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MRP subfamily which is involved in multi-drug resistance. The specific function of this protein has not yet been determined; however, this protein may play a role in cellular detoxification as a pump for its substrate, organic anions.

#### **ABCC4 Antibody (C-term) - References**

Lee K., Belinsky M.G., Bell D.W. *Cancer Res.* 58:2741-2747(1998)  
Adachi M., Sampath J., Lan L.B.J. *Biol. Chem.* 277:38998-39004(2002)  
Kool M., de Haas M., Scheffer G.L. *Cancer Res.* 57:3537-3547(1997)  
Janke D., Mehralivand S., Strand D. *Hum. Mutat.* 29:659-669(2008)