

**ABCC6 Antibody (C-term) Blocking peptide**  
Synthetic peptide  
Catalog # BP10101b**Specification**

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**ABCC6 Antibody (C-term) Blocking peptide - Product Information**

Primary Accession [O95255](#)  
Other Accession [NP\\_001162.4](#)

**ABCC6 Antibody (C-term) Blocking peptide - Additional Information**

Gene ID 368

**Other Names**

Multidrug resistance-associated protein 6, ATP-binding cassette sub-family C member 6, Anthracycline resistance-associated protein, Multi-specific organic anion transporter E, MOAT-E, ABCC6, ARA, MRP6

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**ABCC6 Antibody (C-term) Blocking peptide - Protein Information**

Name ABCC6

Synonyms ARA, MRP6

**Function**

[Isoform 1]: ATP-dependent transporter of the ATP-binding cassette (ABC) family that actively extrudes physiological compounds, and xenobiotics from cells. Mediates ATP-dependent transport of glutathione conjugates such as leukotriene-c4 (LTC4) and N- ethylmaleimide S-glutathione (NEM-GS) (in vitro), and an anionic cyclopentapeptide endothelin antagonist, BQ-123 (PubMed:<a href="http://www.uniprot.org/citations/11880368" target="\_blank">11880368</a>, PubMed:<a href="http://www.uniprot.org/citations/12414644" target="\_blank">12414644</a>). May contribute to regulate the transport of organic compounds in testes across the blood-testis-barrier (Probable). Does not appear to actively transport drugs outside the cell. Confers low levels of cellular resistance to etoposide, teniposide, anthracyclines and cisplatin (PubMed:<a href="http://www.uniprot.org/citations/12414644" target="\_blank">12414644</a>).

**Cellular Location**

Basal cell membrane; Multi-pass membrane protein. Note=Localized to the basal membrane of

Sertoli cells [Isoform 2]: Endoplasmic reticulum membrane; Single-pass membrane protein

#### **Tissue Location**

Expressed in kidney and liver. Very low expression in other tissues. In testis, localized to peritubular myoid cells, Leydig cells, along the basal membrane of Sertoli cells and moderately in the adluminal compartment of the seminiferous tubules (PubMed:35307651).

#### **ABCC6 Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **ABCC6 Antibody (C-term) Blocking peptide - Images**

#### **ABCC6 Antibody (C-term) Blocking peptide - 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). The encoded protein, a member of the MRP subfamily, is involved in multi-drug resistance. Mutations in this gene cause pseudoxanthoma elasticum. Alternatively spliced transcript variants that encode different proteins have been described for this gene. [provided by RefSeq].

#### **ABCC6 Antibody (C-term) Blocking peptide - References**

Zarbock, R., et al. Clin. Chim. Acta 411 (19-20), 1487-1490 (2010) ; de Boussac, H., et al. J. Biol. Chem. 285(30):22800-22808(2010) ; Uitto, J., et al. J. Invest. Dermatol. 130(3):661-670(2010) ; Costrop, L.M., et al. J. Hum. Genet. 55(2):112-117(2010) ; Uitto, J. Trends Mol Med 11(8):341-343(2005)