

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

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:11880368, PubMed:12414644). 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:12414644).

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)