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ABCC10 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP10143c

Specification

ABCC10 Antibody (Center) Blocking peptide - Product Information

Primary Accession	Q5T3U5
Other Accession	NP_258261.2

ABCC10 Antibody (Center) Blocking peptide - Additional Information

Gene ID 89845

Other Names
Multidrug resistance-associated protein 7, ATP-binding cassette sub-family C member 10, ABCC10, MRP7, SIMRP7

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.

ABCC10 Antibody (Center) Blocking peptide - Protein Information

Name ABCC10

Synonyms MRP7, SIMRP7

Function
ATP-dependent transporter of the ATP-binding cassette (ABC) family that actively extrudes physiological compounds, and xenobiotics from cells. Lipophilic anion transporter that mediates ATP-dependent transport of glucuronide conjugates such as estradiol-17-beta-o- glucuronide and GSH conjugates such as leukotriene C4 (LTC4) (PubMed:12527806, PubMed:15256465). May contribute to regulate the transport of organic compounds in testes across the blood-testis- barrier (Probable). Mediates multidrug resistance (MDR) in cancer cells by preventing the intracellular accumulation of certain antitumor drugs, such as, docetaxel and paclitaxel (PubMed:15256465, PubMed:23087055). Does not transport glycocholic acid, taurocholic acid, MTX, folic acid, cAMP, or cGMP (PubMed:12527806).

Cellular Location
Cell membrane; Multi-pass membrane protein {ECO:0000255|PROSITE-ProRule:PRU00441, ECO:0000269|PubMed:12566991, ECO:0000269|PubMed:15256465}. Basolateral cell membrane; Multi-pass membrane protein. Basal cell membrane; Multi-pass membrane protein. Note=Localized to the basal membrane of Sertoli cells.

Tissue Location
In testis, localized to peritubular myoid cells, Leydig cells, along the basal membrane of Sertoli cells, moderately in the adluminal compartment of the seminiferous tubules, and in vascular endothelial cells. [Isoform 2]: Widely expressed.

ABCC10 Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

ABCC10 Antibody (Center) Blocking peptide - Images

ABCC10 Antibody (Center) Blocking peptide - Background

The protein encoded by this gene is a member of thesuperfamily of ATP-binding cassette (ABC) transporters. ABCproteins transport various molecules across extra- andintra-cellular membranes. ABC genes are divided into seven distinctsubfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, and White). ThisABC full-transporter is a member of the MRP subfamily which isinvolved in multi-drug resistance. Multiple transcript variantsencoding different isoforms have been found for this gene.

ABCC10 Antibody (Center) Blocking peptide - References

Kuang, Y.H., et al. Biochem. Pharmacol. 79(2):154-161(2010)Saito, A., et al. J. Hum. Genet. 54(6):317-323(2009)Zhou, Y., et al. Biochem. Pharmacol. 77(6):993-1001(2009)Hopper-Borge, E., et al. Cancer Res. 69(1):178-184(2009)Shen, T., et al. PLoS ONE 4 (10), E7520 (2009) :