

MRP7 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2791a

Specification

MRP7 Antibody (internal region) - Product Information

Application	E
Primary Accession	Q5T3U5
Other Accession	NP_258261.2 , 89845
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	161629

MRP7 Antibody (internal region) - Additional Information

Gene ID 89845

Other Names

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

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MRP7 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

MRP7 Antibody (internal region) - 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:12527806).

href="http://www.uniprot.org/citations/15256465" target="_blank">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.

MRP7 Antibody (internal region) - 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](#)

MRP7 Antibody (internal region) - Images

MRP7 Antibody (internal region) - References

Characterization of the transport properties of human multidrug resistance protein 7 (MRP7, ABCC10). Chen ZS, Hopper-Borge E, Belinsky MG, Shchavaleva I, Kotova E, Kruh GD. Mol Pharmacol. 2003 Feb;63(2):351-8 PMID: 12527806