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ABCC3 Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF3444a

Specification

ABCC3 Antibody (internal region) - Product Information

Application	**E**
Primary Accession	O15438
Other Accession	NP_003777.2, 8714, 76408 (mouse)
Predicted	**Human, Mouse, Dog, Cow**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**169343**

ABCC3 Antibody (internal region) - Additional Information

Gene ID 8714

Other Names
Canalicular multispecific organic anion transporter 2, ATP-binding cassette sub-family C member 3, Multi-specific organic anion transporter D, MOAT-D, Multidrug resistance-associated protein 3, ABCC3, CMOAT2, MLP2, MRP3

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
ABCC3 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

ABCC3 Antibody (internal region) - Protein Information

Name ABCC3 (HGNC:54)

Synonyms CMOAT2, MLP2, MRP3

Function
ATP-dependent transporter of the ATP-binding cassette (ABC) family that binds and hydrolyzes ATP to enable active transport of various substrates including many drugs, toxicants and endogenous compound across cell membranes (PubMed:11581266, PubMed:<a href="http://www.uniprot.org/citations/15083066"

target="_blank">15083066, PubMed:10359813). Transports glucuronide conjugates such as bilirubin diglucuronide, estradiol-17-beta-o-glucuronide and GSH conjugates such as leukotriene C4 (LTC4) (PubMed:15083066, PubMed:11581266). Transports also various bile salts (taurocholate, glycocholate, taurochenodeoxycholate-3-sulfate, taurolithocholate- 3-sulfate) (By similarity). Does not contribute substantially to bile salt physiology but provides an alternative route for the export of bile acids and glucuronides from cholestatic hepatocytes (By similarity). May contribute to regulate the transport of organic compounds in testes across the blood-testis-barrier (Probable). Can confer resistance to various anticancer drugs, methotrexate, tenoposide and etoposide, by decreasing accumulation of these drugs in cells (PubMed:11581266, PubMed:10359813).

Cellular Location
Basolateral cell membrane; Multi-pass membrane protein. Basal cell membrane; Multi-pass membrane protein. Note=Localized to the basolateral membrane of enterocytes (PubMed:28408210). Localized to the basal membrane of Sertoli cells (PubMed:35307651).

Tissue Location
Mainly expressed in the liver. Also expressed in small intestine, colon, prostate, testis, brain and at a lower level in the kidney. 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)

ABCC3 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 Cytomety
- Cell Culture

ABCC3 Antibody (internal region) - Images

ABCC3 Antibody (internal region) - Background

This antibody is expected to recognize reported isoform 1 (NP_003777.2;) only.

ABCC3 Antibody (internal region) - References

Inhibition of tetramethylpyrazine on P-gp, MRP2, MRP3 and MRP5 in multidrug resistant human hepatocellular carcinoma cells. Wang XB, Wang SS, Zhang QF, Liu M, Li HL, Liu Y, Wang JN, Zheng F, Guo LY, Xiang JZ, Oncology reports 2010 Jan 23 (1): 211-5. PMID: 19956884