

Anti-ABCC3 / MRP3 Antibody (aa971-1020)

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS18356

Product Information

Application	WB, IHC-P, E
Primary Accession	O15438
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	169343

Additional Information

Gene ID	8714
Alias Symbol	ABCC3
Other Names	ABCC3, ABC31, EST90757, MOAT-D, MLP2, Multidrug resistance protein 3, MRP3, CMOAT2
Target/Specificity	ABCC3 Antibody detects endogenous levels of ABCC3.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-ABCC3 / MRP3 Antibody (aa971-1020) is for research use only and not for use in diagnostic or therapeutic procedures.

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: 10359813 , PubMed: 11581266 , PubMed: 15083066). Transports glucuronide conjugates such as bilirubin diglucuronide, estradiol-17-beta-o-glucuronide and GSH conjugates such as leukotriene C4 (LTC4) (PubMed: 11581266 , PubMed: 15083066). Transports also various bile salts (taurocholate, glycocholate, taurochenodeoxycholate-3-sulfate, tauroolithocholate- 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:[10359813](#), PubMed:[11581266](#)).

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)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.