

# MRP3 Antibody

Mouse Monoclonal Antibody (Mab)

Catalog # AD80329

## Product Information

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Application	IHC
Primary Accession	<a href="#">O15438</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Names	954E1V4
Calculated MW	169343

## Additional Information

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Gene ID	8714
Gene Name	ABCC3
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
Dilution	IHC~~1:100~500
Storage	Maintain refrigerated at 2-8°C.
Precautions	MRP3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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Name	ABCC3 ( <a href="#">HGNC:54</a> )
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: <a href="#">10359813</a> , PubMed: <a href="#">11581266</a> , PubMed: <a href="#">15083066</a> ). Transports glucuronide conjugates such as bilirubin diglucuronide, estradiol-17-beta-o-glucuronide and GSH conjugates such as leukotriene C4 (LTC4) (PubMed: <a href="#">11581266</a> , PubMed: <a href="#">15083066</a> ). 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

**Cellular Location**

anticancer drugs, methotrexate, tenoposide and etoposide, by decreasing accumulation of these drugs in cells (PubMed:[10359813](#), PubMed:[11581266](#)). 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'.