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Anti-ABCC3 / MRP3 Antibody (aa971-1020)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18356

Specification

Anti-ABCC3 / MRP3 Antibody (aa971-1020) - Product Information

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

Anti-ABCC3 / MRP3 Antibody (aa971-1020) - 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.

Anti-ABCC3 / MRP3 Antibody (aa971-1020) - 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: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)

Anti-ABCC3 / MRP3 Antibody (aa971-1020) - 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

Anti-ABCC3 / MRP3 Antibody (aa971-1020) - Images