

Anti-MRP3 Antibody
Rabbit polyclonal antibody to MRP3
Catalog # AP59752**Specification**

Anti-MRP3 Antibody - Product Information

Application	WB
Primary Accession	O15438
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	169343

Anti-MRP3 Antibody - Additional Information**Gene ID** 8714**Other Names**

CMOAT2; MLP2; MRP3; 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

Target/Specificity

Recognizes endogenous levels of MRP3 protein.

Dilution

WB~~WB (1/500 - 1/1000), IP (1/10 - 1/100)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-MRP3 Antibody - 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

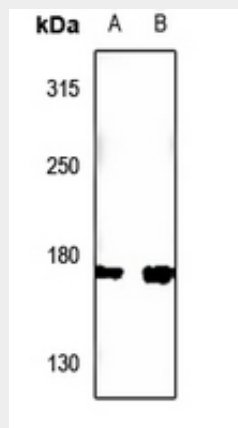
Mainly expressed in the liver. Also expressed in small intestine, colon, prostate, testis, brain and at a lower level in the kidney. In testis, localized to peritubular myoid cells, Leydig cells, along the basal membrane of Sertoli cells and moderately in the adluminal compartment of the seminiferous tubules (PubMed:35307651)

Anti-MRP3 Antibody - 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](#)

Anti-MRP3 Antibody - Images



Western blot analysis of MRP3 expression in HepG2 (A), LO2 (B) whole cell lysates.

Anti-MRP3 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MRP3. The exact sequence is proprietary.