

MRP2 Polyclonal Antibody

Catalog # AP71023

Product Information

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|-------------------|------------------------|
| Application | WB |
| Primary Accession | Q92887 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 174207 |

Additional Information

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| Gene ID | 1244 |
| Other Names | ABCC2; CMOAT; CMOAT1; CMRP; MRP2; Canalicular multispecific organic anion transporter 1; ATP-binding cassette sub-family C member 2; Canalicular multidrug resistance protein; Multidrug resistance-associated protein 2 |
| Dilution | WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications. |
| Format | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide. |
| Storage Conditions | -20°C |

Protein Information

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| Name | ABCC2 (HGNC:53) |
| 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. Transports a wide variety of conjugated organic anions such as sulfate-, glucuronide- and glutathione (GSH)- conjugates of endo- and xenobiotics substrates (PubMed: 10220572 , PubMed: 10421658 , PubMed: 11500505 , PubMed: 16332456). Mediates hepatobiliary excretion of mono- and bis-glucuronidated bilirubin molecules and therefore play an important role in bilirubin detoxification (PubMed: 10421658). Also mediates hepatobiliary excretion of others glucuronide conjugates such as 17beta-estradiol 17- glucosiduronic acid and leukotriene C4 (PubMed: 11500505). Transports sulfated bile salt such as tauroolithocholate sulfate (PubMed: 16332456). Transports various anticancer drugs, such as anthracycline, vinca alkaloid and methotrexate and HIV-drugs such as protease inhibitors (PubMed: 10220572 , PubMed: 11500505 , PubMed: 12441801). Confers resistance to several anti-cancer drugs including |

cisplatin, doxorubicin, epirubicin, methotrexate, etoposide and vincristine (PubMed:[10220572](#), PubMed:[11500505](#)).

Cellular Location

Apical cell membrane; Multi-pass membrane protein. Note=Localized to the apical membrane of enterocytes

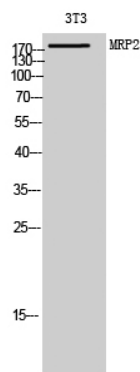
Tissue Location

Expressed by polarized cells in liver, kidney and intestine. The highest expression is found in liver. Expressed in small intestine (PubMed:28408210).

Background

Mediates hepatobiliary excretion of numerous organic anions. May function as a cellular cisplatin transporter.

Images



Western Blot analysis of 3T3 cells using MRP2 Polyclonal Antibody diluted at 1 : 1000

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