

MRP2 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51740

Product Information

Application	WB
Primary Accession	Q92887
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	174207

Additional Information

Gene ID	1244
Other Names	Canalicular multispecific organic anion transporter 1, ATP-binding cassette sub-family C member 2, Canalicular multidrug resistance protein, Multidrug resistance-associated protein 2, ABCC2, CMOAT, CMOAT1, CMRP, MRP2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MRP2. The exact sequence is proprietary.
Dilution	WB~1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

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 tauro lithocholate 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.

References

- Taniguchi K, et al. Cancer Res. 56:4124-4129(1996).
Kool M., et al. Submitted (FEB-1996) to the EMBL/GenBank/DDBJ databases.
Buechler M., et al. J. Biol. Chem. 271:15091-15098(1996).
Keppler D., et al. Submitted (AUG-1996) to the EMBL/GenBank/DDBJ databases.
Tsujii H., et al. Gastroenterology 117:653-660(1999).

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