

# MRP2 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51740

## Product Information

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Application	WB
Primary Accession	<a href="#">Q92887</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	174207

## Additional Information

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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
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

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Name	ABCC2 ( <a href="#">HGNC:53</a> )
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: <a href="#">10220572</a> , PubMed: <a href="#">10421658</a> , PubMed: <a href="#">11500505</a> , PubMed: <a href="#">16332456</a> ). Mediates hepatobiliary excretion of mono- and bis-glucuronidated bilirubin molecules and therefore play an important role in bilirubin detoxification (PubMed: <a href="#">10421658</a> ). Also mediates hepatobiliary excretion of others glucuronide conjugates such as 17beta-estradiol 17- glucosiduronic acid and leukotriene C4 (PubMed: <a href="#">11500505</a> ). Transports sulfated bile salt such as tauroolithocholate sulfate (PubMed: <a href="#">16332456</a> ). Transports various anticancer drugs, such as anthracycline, vinca alkaloid and methotrexate and HIV-drugs such as protease inhibitors (PubMed: <a href="#">10220572</a> , PubMed: <a href="#">11500505</a> , PubMed: <a href="#">12441801</a> ). 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

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

## References

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Kool M.,et al.Submitted (FEB-1996) to the EMBL/GenBank/DDBJ databases.  
Buechler M.,et al.J. Biol. Chem. 271:15091-15098(1996).  
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Tsujii H.,et al.Gastroenterology 117:653-660(1999).

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