



# MRP2 Polyclonal Antibody

<b>Catalog No</b>	BYab-03970
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	ABCC2
<b>Protein Name</b>	Canalicular multispecific organic anion transporter 1
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human ABCC2. AA range:991-1040
<b>Specificity</b>	MRP2 Polyclonal Antibody detects endogenous levels of MRP2 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	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
<b>Observed Band</b>	190-250kD
<b>Cell Pathway</b>	Apical cell membrane ; Multi-pass membrane protein .
<b>Tissue Specificity</b>	Expressed by polarized cells in liver, kidney and intestine. The highest expression is found in liver.
<b>Function</b>	disease:Defects in ABCC2 are the cause of Dubin-Johnson syndrome (DJS) [MIM:237500]. DJS is an autosomal recessive disorder characterized by conjugated hyperbilirubinemia, an increase in the urinary excretion of coproporphyrin isomer I, deposition of melanin-like pigment in hepatocytes, and prolonged retention of sulfobromophthalein, but otherwise normal liver function.,function:Mediates hepatobiliary excretion of numerous organic anions. May function as a cellular cisplatin transporter.,similarity:Belongs to the ABC transporter family. Conjugate transporter (TC 3.A.1.208)

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subfamily.,similarity:Contains 2 ABC transmembrane type-1 domains.,similarity:Contains 2 ABC transporter domains.,tissue specificity:Found on the apical membrane of polarized cells in liver, kidney and intestine. The highest expression is found in liver.,

#### Background

The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MRP subfamily which is involved in multi-drug resistance. This protein is expressed in the canalicular (apical) part of the hepatocyte and functions in biliary transport. Substrates include anticancer drugs such as vinblastine; therefore, this protein appears to contribute to drug resistance in mammalian cells. Several different mutations in this gene have been observed in patients with Dubin-Johnson syndrome (DJS), an autosomal recessive disorder characterized by conjugated hyperbilirubinemia. [provided by RefSeq, Jul 2008],

#### matters needing attention

Avoid repeated freezing and thawing!

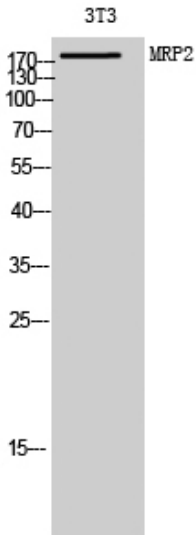
#### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

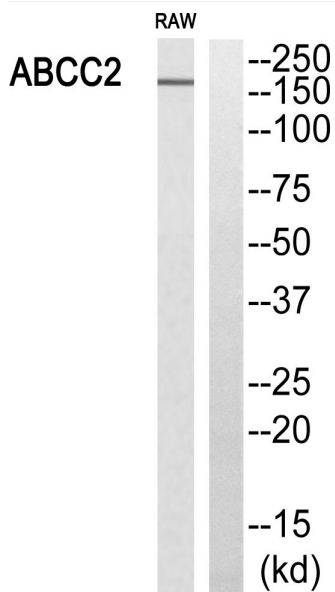
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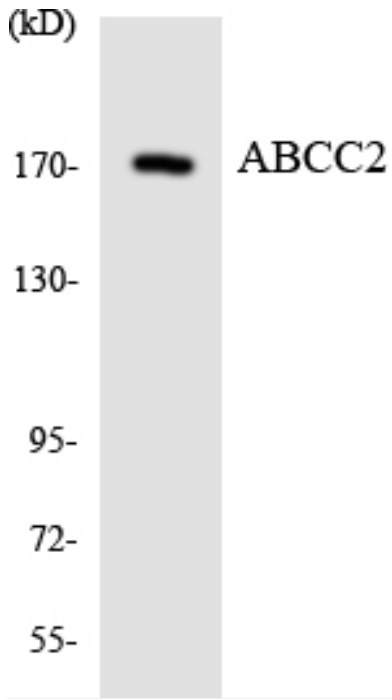
## Products Images



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



Western blot analysis of ABCC2 Antibody. The lane on the right is blocked with the ABCC2 peptide.



Western blot analysis of the lysates from HeLa cells using ABCC2 antibody.