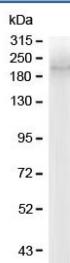


## MRP2 Antibody / Multidrug resistance-associated protein 2 / ABCC2 (RQ4941)

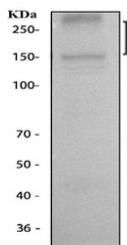
Catalog No.	Formulation	Size
RQ4941	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

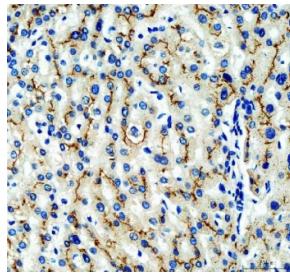
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q92887
Localization	Plasma membrane
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml
Limitations	This MRP2 antibody is available for research use only.



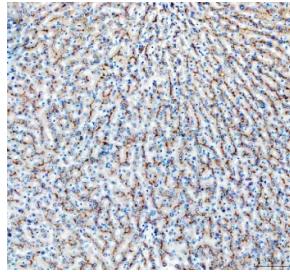
Western blot testing of human Caco-2 lysate with MRP2 antibody at 0.5ug/ml. Predicted molecular weight: 174-250 kDa depending on degree of glycosylation.



Western blot testing of human HepG2 cell lysate with MRP2 antibody. Predicted molecular weight: 174-250 kDa depending on degree of glycosylation.



IHC staining of FFPE human liver cancer with MRP2 antibody. HIER: boil tissue sections in pH8 EDTA buffer for 10-20 min and allow to cool before testing.



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## Description

Multidrug resistance-associated protein 2 (MRP2), also called canalicular multispecific organic anion transporter 1 (cMOAT) or ATP-binding cassette sub-family C member 2 (ABCC2), is a protein that in humans is encoded by the ABCC2 gene. 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.

## Application Notes

Optimal dilution of the MRP2 antibody should be determined by the researcher.

## Immunogen

Amino acids AIRHDCNFDKAMQFSEASFTWEHDSEATVRDVNL from the human protein were used as the immunogen for the MRP2 antibody.

## Storage

After reconstitution, the MRP2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

