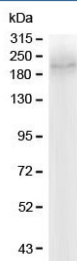


## MRP2 Antibody / Multidrug resistance-associated protein 2 / ABCC2 (RQ4941)

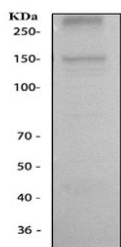
| Catalog No. | Formulation   | Size   |
|-------------|---|--------|
| RQ4941      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

[Bulk quote request](#)

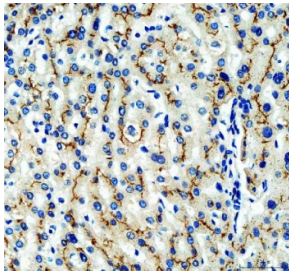
|                           |   |
|---------------------------|---|
| <b>Availability</b>       | 1-3 business days   |
| <b>Species Reactivity</b> | Human   |
| <b>Format</b>             | Antigen affinity purified   |
| <b>Clonality</b>          | Polyclonal (rabbit origin)  |
| <b>Isotype</b>    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



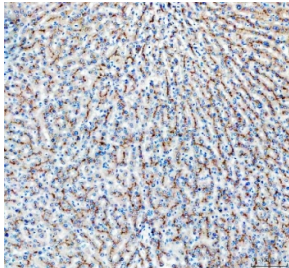
Western blot testing of human Caco-2 lysate with MRP2 antibody at 0.5ug/ml. Predicted molecular weight: 174-250 kDa depending on degree of glycosylation.



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 AIRHDCNFDKAMQFSEASFTWEHDSEATVRDVNLD 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.

