

RecomAb™

# ABCC2 recombinant monoclonal antibody, clone R07-4A3

Catalog # RAB06483      Size 100 uL

## Specification

|                      |                                                                                                                                                                   |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description  | Rabbit recombinant monoclonal antibody raised against human ABCC2.                                                                                                |
| Antibody Species     | Rabbit                                                                                                                                                            |
| Immunogen            | Original antibody is raised against recombinant protein corresponding to human ABCC2.                                                                             |
| Theoretical MW (kDa) | Calculated MW: 174 k                                                                                                                                              |
| Reactivity           | Human                                                                                                                                                             |
| Form                 | Liquid                                                                                                                                                            |
| Purification         | Affinity purification                                                                                                                                             |
| Isotype              | IgG                                                                                                                                                               |
| Recommend Usage      | Flow Cytometry (1:50-1:100)<br>Immunofluorescence(1:50-1:200)<br>Western Blot (1:500-1:1000)<br>The optimal working dilution should be determined by the end use. |
| Storage Buffer       | In PBS, 150 mM NaCl, pH 7.4 (50% glycerol and 0.02% Sodium azide)                                                                                                 |
| Storage Instruction  | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                                                            |
| Note                 | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                            |

## Applications

- Western Blot
- Immunofluorescence

- Flow Cytometry

## Gene Info — ABCC2

Entrez GeneID [1244](#)

Gene Name ABCC2

Gene Alias ABC30, CMOAT, DJS, KIAA1010, MRP2, cMRP

Gene Description ATP-binding cassette, sub-family C (CFTR/MRP), member 2

Omim ID [237500 601107](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

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]

**Other Designations** OTTHUMP00000020267|canalicular multispecific organic anion transporter

## Pathway

- [ABC transporters](#)

## Disease

- [Adenocarcinoma](#)
- [Alzheimer Disease](#)
- [Arthritis](#)
- [Bile Duct Neoplasms](#)
- [Breast cancer](#)

- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cholangiocarcinoma](#)
- [Cholestasis](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Cystadenocarcinoma](#)
- [Diarrhea](#)
- [Disease Progression](#)
- [Drug Toxicity](#)
- [Epilepsies](#)
- [Epilepsy](#)
- [Esophageal Neoplasms](#)
- [Fanconi Syndrome](#)
- [Fatty Liver](#)
- [Gastroenteritis](#)
- [Genetic Predisposition to Disease](#)
- [Heart Diseases](#)
- [Hepatitis](#)
- [HIV Infections](#)
- [HIV Seropositivity](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Leukemia](#)

- [Leukopenia](#)
- [Liver Cirrhosis](#)
- [Lung Neoplasms](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasm Metastasis](#)
- [Neoplasms](#)
- [Neutropenia](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Peripheral Nervous System Diseases](#)
- [Pregnancy Complications](#)
- [Proteinuria](#)
- [Pruritus](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)