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# Abcc2 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI12305

## Product Information

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| **Application** | WB |
| **Primary Accession** | Q8VI47 |
| **Other Accession** | NM_013806, NP_038834 |
| **Reactivity** | Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine |
| **Predicted** | Mouse, Dog, Horse, Bovine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 173671 |

## Additional Information

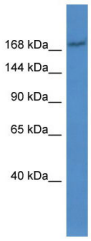
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| **Gene ID** | 12780 |
| **Alias Symbol** | AI173996, Abc30, Cmoat, Mrp2, cMRP |
| **Other Names** | Canalicular multispecific organic anion transporter 1, ATP-binding cassette sub-family C member 2, Abcc2 |
| **Format** | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. |
| **Reconstitution & Storage** | Add 50 ul of distilled water. Final anti-Abcc2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles. |
| **Precautions** | Abcc2 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | Abcc2 {ECO:0000303\|PubMed:16421286, ECO:0000312\|MGI:MGI:1352447} |
| **Function** | ATP-dependent transporter of the ATP-binding cassette (ABC) family that hydrolyzes ATP to enable active transport of substrates conjugated with glucuronate, glutathione or sulfate. Operates at apical membranes of polarized cells such as hepatocytes, renal and intestinal epithelial cells where it mediates hepatobiliary and renal excretion of conjugated substrates (By similarity). Involved in canalicular bile production. Mediates hepatobiliary excretion of mono- and bis- glucuronidated bilirubin, enabling bilirubin detoxification (By similarity). Mediates the efflux of steroid glucuronates from intestine and liver into the intestinal lumen. Shares substrate specificity with MRP3 but displays lower affinity and higher transport velocity toward |

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| | androgen conjugates such as testosterone and dihydrotestosterone glucuronates as well as toward estrogen conjugates including estradiol, estrone and estriol glucuronates (By similarity). Transports glutathione conjugate leukotriene C4 (LTC4) and related cysteinyl leukotrienes (By similarity). Displays selective transporter activity toward sulfated conjugates, transports sulfated bile salts such as taurolithocholate sulfate but is inactive toward androgen sulfates (By similarity). Transports various xenobiotics. Confers resistance to several anticancer drugs including cisplatin, doxorubicin, epirubicin, methotrexate, etoposide and vincristine, by decreasing accumulation of these drugs in cells (By similarity). |
| **Cellular Location** | Apical cell membrane {ECO:0000250\|UniProtKB:Q92887}; Multi-pass membrane protein |
| **Tissue Location** | Expressed in liver.. |

## Images




WB Suggested Anti-Abcc2 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:312500
Positive Control: Mouse Spleen

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.