

For Research Use Only

# MRP2 Polyclonal antibody

Catalog Number: 24893-1-AP **23 Publications**



## Basic Information

|  |  |  |
|--|--|--|
| <b>Catalog Number:</b><br>24893-1-AP   | <b>GenBank Accession Number:</b><br>BC136419                                 | <b>Purification Method:</b><br>Antigen affinity purification       |
| <b>Size:</b><br>150ul , Concentration: 227 µg/ml by Bradford method using BSA as the standard; | <b>GeneID (NCBI):</b><br>1244  | <b>Recommended Dilutions:</b><br>WB 1:500-1:1000<br>IHC 1:20-1:200 |
| <b>Source:</b><br>Rabbit   | <b>UNIPROT ID:</b><br>Q92887   |  |
| <b>Isotype:</b><br>IgG   | <b>Full Name:</b><br>ATP-binding cassette, sub-family C (CFTR/MRP), member 2 |  |
| <b>Immunogen Catalog Number:</b><br>AG18694  | <b>Calculated MW:</b><br>1545 aa, 174 kDa                                    |  |
|  | <b>Observed MW:</b><br>190-250 kDa   |  |

## Applications

|   |   |
|---|---|
| <b>Tested Applications:</b><br>WB, IHC, ELISA | <b>Positive Controls:</b><br>WB : HepG2 cells,<br>IHC : human small intestine tissue, |
| <b>Cited Applications:</b><br>WB, IHC         |   |
| <b>Species Specificity:</b><br>human          |   |
| <b>Cited Species:</b><br>human, rat, monkey   |   |

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

Multi-drug resistance protein 2 (MRP2), also known as ABCC2, is an ATP binding cassette (ABC) transporter responsible for biliary excretion of xenobiotics, endobiotics, and their metabolites. Deficiency in ABCC2 results in the clinical disorder Dubin-Johnson syndrome. MRP2 is found to be expressed in a variety of human cancers, and is associated with resistance of tumor cells to various anticancer drugs including cisplatin. The predicted molecular weight of MRP2 is 174 kDa, while mature MRP2 usually has a slower migration around 190-250 kDa due to the glycosylation. (16434545, 18834541, 23045960)

## Notable Publications

| Author        | Pubmed ID | Journal                            | Application |
|---------------|-----------|------------------------------------|-------------|
| Zhenyu Wang   | 31588244  | Theranostics                       | IHC         |
| Masahiko Itoh | 33184034  | Biochim Biophys Acta Mol Basis Dis | WB          |
| Yanan Chen    | 31628911  | Biochem Pharmacol                  | WB          |

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

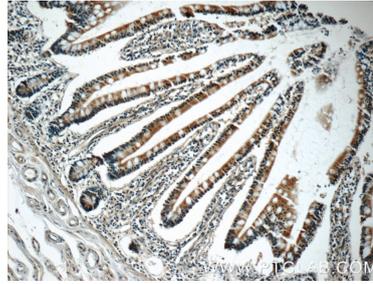
For technical support and original validation data for this product please contact:  
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E: proteintech@ptglab.com  
W: ptglab.com

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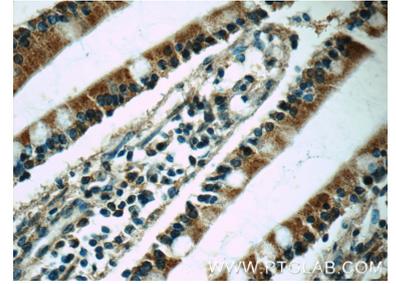
## Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 24893-1-AP (MRP2 antibody at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 24893-1-AP (MRP2 antibody at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 24893-1-AP (MRP2 antibody at dilution of 1:50 (under 40x lens).