

For Research Use Only

# MRP2 Polyclonal antibody

Catalog Number: 29261-1-AP



## Basic Information

<b>Catalog Number:</b> 29261-1-AP	<b>GenBank Accession Number:</b> BC136419	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1244	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q92887	
<b>Isotype:</b> IgG	<b>Full Name:</b> ATP-binding cassette, sub-family C (CFTR/MRP), member 2	
<b>Immunogen Catalog Number:</b> AG30944	<b>Calculated MW:</b> 1545 aa, 174 kDa	
	<b>Observed MW:</b> 190-250 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human	<b>WB :</b> 37°C incubated A549 cells, 37°C incubated HepG2 cells
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> human liver tissue,

## 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)

## Storage

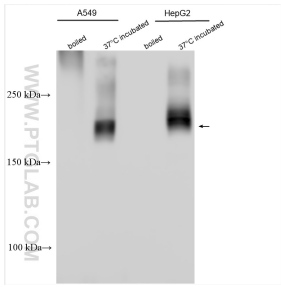
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

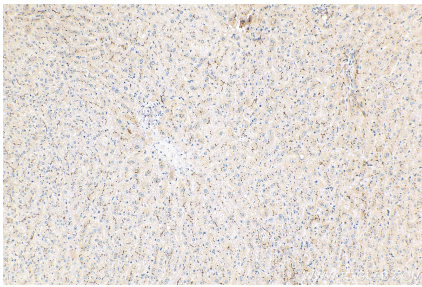
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

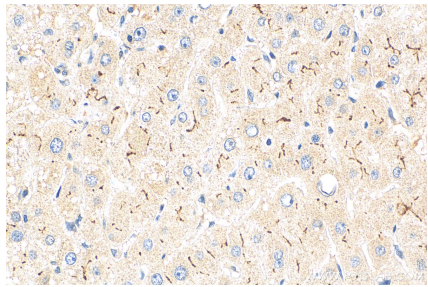
## Selected Validation Data



37°C incubated A549 cells total extract lysate and 37°C incubated HepG2 cells total extract lysate were subjected to SDS PAGE followed by western blot with 29261-1-AP (MRP2 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 29261-1-AP (ABCC2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 29261-1-AP (ABCC2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).