

For Research Use Only

# MRP1 Monoclonal antibody

Catalog Number: 67228-1-Ig **19 Publications**



## Basic Information

<b>Catalog Number:</b> 67228-1-Ig	<b>GenBank Accession Number:</b> NM_004996	<b>Purification Method:</b> Protein G purification
<b>Concentration:</b> 2000 ug/ml	<b>GeneID (NCBI):</b> 4363	<b>CloneNo.:</b> 1G4A2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P33527	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000 IF/ICC: 1:200-1:800
<b>Isotype:</b> IgG1	<b>Full Name:</b> ATP-binding cassette, sub-family C (CFTR/MRP), member 1	
<b>Immunogen Catalog Number:</b> AG27048	<b>Calculated MW:</b> 172 kDa	
	<b>Observed MW:</b> 180-190 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB, IHC, IF	<b>WB :</b> unboiled HepG2 cells, unboiled A549 cells
<b>Species Specificity:</b> human	<b>IF/ICC :</b> A549 cells,
<b>Cited Species:</b> human, mouse	

## Background Information

Multidrug resistant-associated protein 1 (MRP1; ABCC1) is a member of the ATP-binding cassette (ABC) transporter protein superfamily, subfamily C. MRP1 is overexpressed in cancers and contributes to the occurrence of multidrug resistance (MDR). Expression of MRP1 has been considered as a negative marker for the outcome of chemotherapy. Recently MRP1 has been reported to play a crucial role in A  $\beta$  clearance at the blood-brain barrier.

## Notable Publications

Author	Pubmed ID	Journal	Application
Shiyao Jiang	36139554	Cancers (Basel)	WB
Jianqiang Zhu	35533959	Environ Pollut	WB
Lusheng Wei	33782384	Cell Death Dis	WB

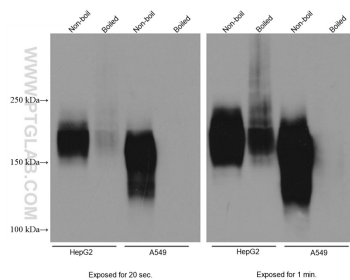
## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

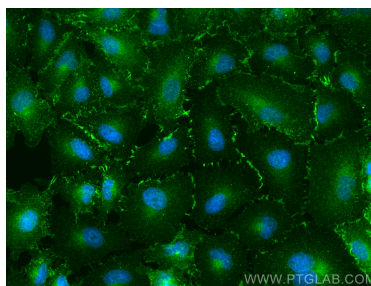
For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

## Selected Validation Data



Non-boil and boiled HepG2 and A549 cell lysates were subjected to SDS PAGE followed by western blot with 67228-1-Ig (ABCC1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. Left panel was exposed for 20 sec. and right panel was exposed for 1 min.



Immunofluorescent analysis of (4% PFA) fixed A549 cells using MRP1 antibody (67228-1-Ig, Clone: 1G4A2) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).