

For Research Use Only

# MRP1 Monoclonal antibody

Catalog Number: 67228-1-Ig 18 Publications



## Basic Information

Catalog Number:	67228-1-Ig	GenBank Accession Number:	NM_004996	Purification Method:	Protein A purification
Size:	150ul , Concentration: 2000 ug/ml by Nanodrop;	GeneID (NCBI):	4363	CloneNo.:	1G4A2
Source:	Mouse	UNIPROT ID:	P33527	Recommended Dilutions:	WB 1:5000-1:50000 IF/ICC 1:200-1:800
Isotype:	IgG1	Full Name:	ATP-binding cassette, sub-family C (CFTR/MRP), member 1		
Immunogen Catalog Number:	AG27048	Calculated MW:	172 kDa		
		Observed MW:	180-190 kDa		

## Applications

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

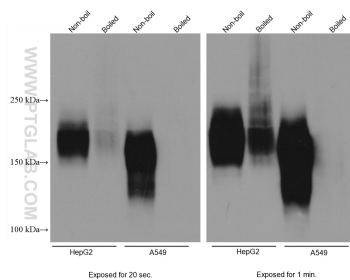
Storage:  
Store at -20°C. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

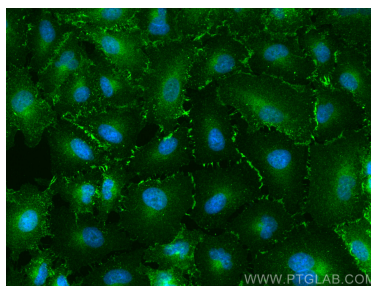
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## Selected Validation Data



Non-boil and boiled HepG2 and A549 cell lysates were subjected to SDS PAGE followed by western blot with 67228-1-Ig (ABCC 1 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).