

For Research Use Only

# MRP4 Monoclonal antibody

Catalog Number: 67230-1-Ig **2 Publications**



## Basic Information

<b>Catalog Number:</b> 67230-1-Ig	<b>GenBank Accession Number:</b> BC041560	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 2000 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10257	<b>CloneNo.:</b> 1B10B4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O15439	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:500-1:2000
<b>Isotype:</b> IgG1	<b>Full Name:</b> ATP-binding cassette, sub-family C (CFTR/MRP), member 4	
<b>Immunogen Catalog Number:</b> AG10171	<b>Calculated MW:</b> 859 aa, 97 kDa	
	<b>Observed MW:</b> 160-180 kDa	

## Applications

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

## Background Information

MRP4 (also known as ABCC4), belonging to ATP-binding cassette (ABC) transporter family, is a multi-transmembrane protein that is able to transport a range of organic anionic compounds (both endogenous and xenobiotic) out of the cell. It can exclude various drugs thus is considered as potential target to prevent drug-resistance.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xin Zhou	35342392	Front Genet	IHC
Jixian Huang	39046364	J Cell Mol Med	WB

## Storage

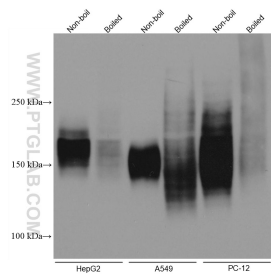
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

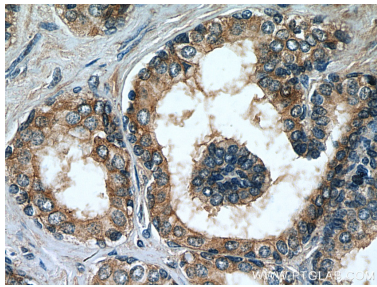
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## Selected Validation Data



Non-boil and boiled HepG2, A549, and PC-12 cell lysates were subjected to SDS PAGE followed by western blot with 67230-1-Ig (ABCC4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate hyperplasia tissue slide using 67230-1-Ig (ABCC4 antibody) at dilution of 1:1000 (under 40x lens)..