

For Research Use Only

MRP4 Monoclonal antibody

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



Basic Information

Catalog Number: 67230-1-Ig	GenBank Accession Number: BC041560	Purification Method: Protein G purification
Size: 2000 µg/ml	GeneID (NCBI): 10257	CloneNo.: 1B10B4
Source: Mouse	UNIPROT ID: O15439	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000
Isotype: IgG1	Full Name: ATP-binding cassette, sub-family C (CFTR/MRP), member 4	
Immunogen Catalog Number: AG10171	Calculated MW: 859 aa, 97 kDa	
	Observed MW: 160-180 kDa	

Applications

Tested Applications: FC, IHC, WB, ELISA	Positive Controls:
Cited Applications: IHC	WB : HepG2 cells,
Species Specificity: Human	IHC : human prostate hyperplasia tissue,
Cited Species: human	
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

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

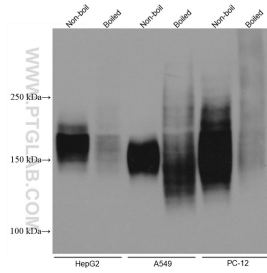
Storage

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

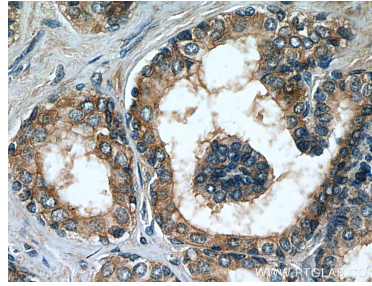
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

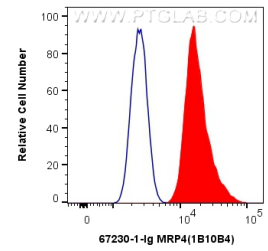
Selected Validation Data



Non-boil and boiled HepG2, A549, and PC-12 cell lysates were subjected to SDS PAGE followed by western blot with 67230-1-Ig (ABC C4 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 (ABC C4 antibody) at dilution of 1:1000 (under 40x lens)..



1X10⁶ A549 cells were intracellularly stained with 0.4 ug Anti-Human MRP4 (67230-1-Ig, Clone: 1B10B4) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).