

For Research Use Only

# MRP1 Polyclonal antibody

Catalog Number: 27825-1-AP

2 Publications



## Basic Information

<b>Catalog Number:</b> 27825-1-AP	<b>GenBank Accession Number:</b> NM_004996	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4363	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> ATP-binding cassette, sub-family C (CFTR/MRP), member 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 172 kDa	
<b>Immunogen Catalog Number:</b> AG27048	<b>Observed MW:</b> 180-190 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB :</b> 37°C incubated HeLa cells,
<b>Species Specificity:</b> Human	<b>IHC :</b> human breast cancer 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

Multidrug resistant-associated protein 1 (MRP1, also known as 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
Caixin Qiu	39306871	Drug Resist Updat	WB
Wei Heng	38876260	Biochem Pharmacol	WB

## Storage

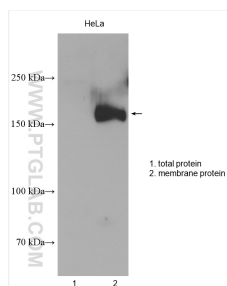
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

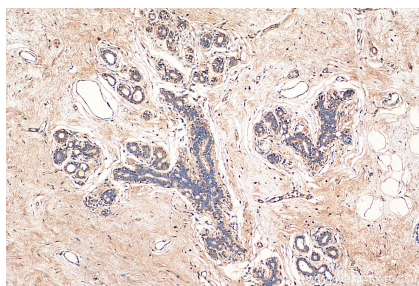
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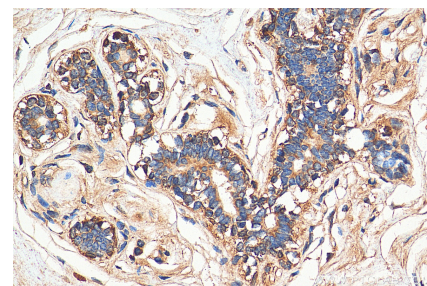
## Selected Validation Data



37°C incubated HeLa cells were subjected to SDS PAGE followed by western blot with 27825-1-AP (MRP1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 27825-1-AP (ABCC1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 27825-1-AP (ABCC1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).