

For Research Use Only

# MRP3/ABCC3 Polyclonal antibody, PBS Only

Catalog Number: 25358-1-PBS



## Basic Information

Catalog Number:

25358-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19786

GenBank Accession Number:

BC137348

GeneID (NCBI):

8714

UNIPROT ID:

O15438

Full Name:

ATP-binding cassette, sub-family C (CFTR/MRP), member 3

Calculated MW:

1527 aa, 169 kDa

Observed MW:

170-180 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human

## Background Information

MRP3 also known as ABCC3, belongs to ATP-binding cassette (ABC) transporter protein superfamily. MRP3 hydrolyzes ATP to enable active transport of various substrates including many drugs, toxicants, and endogenous compounds across cell membranes (PMID: 11581266, 15083066). In normal liver, MRP3 was found present mainly in the bile ducts. In livers of patients with various forms of cholestasis, MRP3 levels were frequently increased in the proliferative cholangiocytes, suggesting its role in cholehepatic and enterohepatic bile circulation and in protecting liver from toxic bile salts (PMID: 11850532, 11283840). MRP3 is expressed in the liver, colon, pancreas, and, at a lower level, in the kidney (PMID:10094960). For optimal WB detection of this membrane protein, we recommend to avoid boiling the sample after lysis.

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

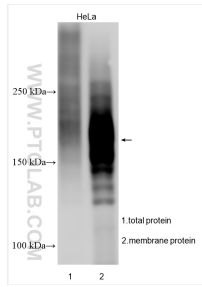
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

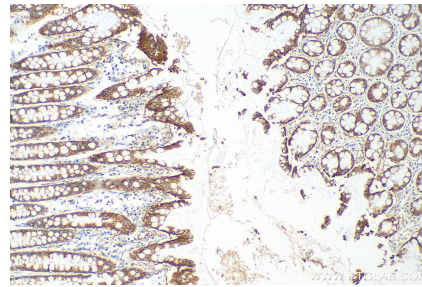
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

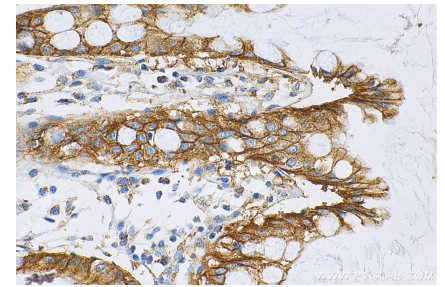
## Selected Validation Data



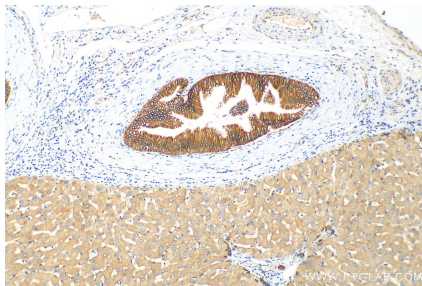
37°C incubated HeLa cells were subjected to SDS PAGE followed by western blot with 25358-1-AP (MRP3/ABCC3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 25358-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 25358-1-AP (MRP3/ABCC3 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 25358-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 25358-1-AP (MRP3/ABCC3 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 25358-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 25358-1-AP (MRP3/ABCC3 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 25358-1-PBS in a different storage buffer formulation.