

For Research Use Only

MRP3/ABCC3 Polyclonal antibody

Catalog Number: 25358-1-AP

1 Publications



Basic Information

Catalog Number:

25358-1-AP

Concentration:

450 ug/ml

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

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:400-1:1600

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

mouse

Positive Controls:

WB : 37°C incubated HeLa cells,

IHC : human colon tissue, human liver tissue

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

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Huimin Liu	38642845	Life Sci	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

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

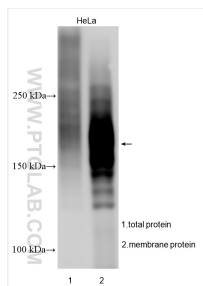
T: 4006900926

E: Proteintech-CN@ptglab.com

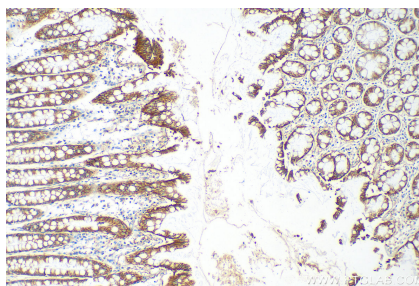
W: ptgcn.com

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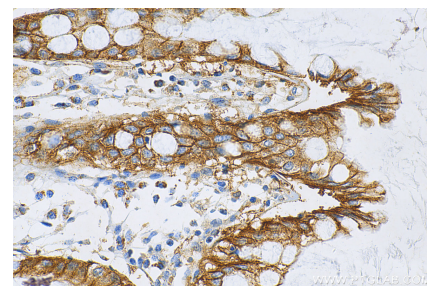
Selected Validation Data



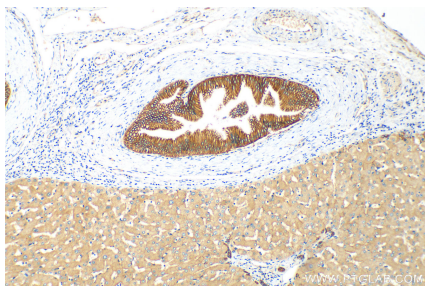
37°C incubated HeLa cells were subjected to SDS PAGE followed by western blot with 25358-1-AP (MRP3/ABCC3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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).



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).



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).