

For Research Use Only

MRP3/ABCC3 Polyclonal antibody

Catalog Number: 25358-1-AP



Basic Information

Catalog Number: 25358-1-AP	GenBank Accession Number: BC137348	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop;	GeneID (NCBI): 8714	Recommended Dilutions: WB 1:500-1:1000 IHC 1:400-1:1600
Source: Rabbit	Full Name: ATP-binding cassette, sub-family C (CFTR/MRP), member 3	
Isotype: IgG	Calculated MW: 1527 aa, 169 kDa	
Immunogen Catalog Number: AG19786	Observed MW: 170-180 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : 37°C incubated HeLa cells, IHC : human colon tissue, human liver tissue
Species Specificity: 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

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

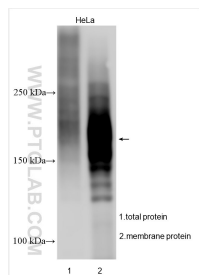
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

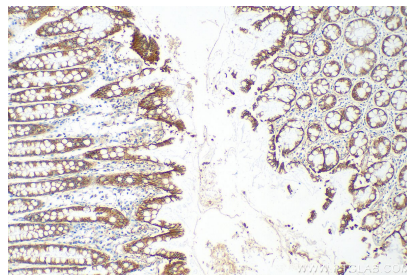
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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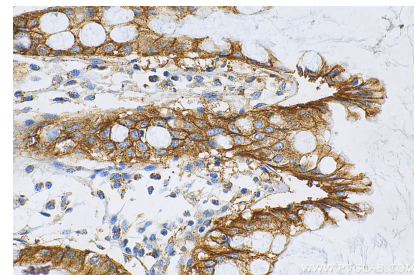
Selected Validation Data



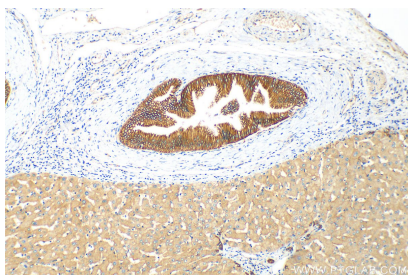
Various lysates were subjected to SDS PAGE followed by western blot with 25358-1-AP (MRP3/ABCC3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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).