

For Research Use Only

# ABCB10 Recombinant monoclonal antibody

Catalog Number: 86853-1-RR



## Basic Information

<b>Catalog Number:</b> 86853-1-RR	<b>GenBank Accession Number:</b> BC064930	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 23456	<b>CloneNo.:</b> 251920E7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9NRK6	<b>Recommended Dilutions:</b> WB: 1:1000-1:6000
<b>Isotype:</b> IgG	<b>Full Name:</b> ATP-binding cassette, sub-family B (MDR/TAP), member 10	
<b>Immunogen Catalog Number:</b> AG6203	<b>Calculated MW:</b> 79 kDa	
	<b>Observed MW:</b> 60 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : Jurkat cells, K-562 cells, Raji cells, SKOV-3 cells, COLO 205 cells
<b>Species Specificity:</b> human	

## Background Information

ABCB10 (also known as ABC-me or M-ABC2) is an inner-mitochondrial-membrane ATP-binding cassette transporter that forms homodimers with its nucleotide-binding domain facing the matrix. ABCB10 is now recognized as a multifunctional protein that couples mitochondrial export activity to cellular antioxidant defence. During red-cell development it stabilises the iron importer mitoferrin-1 (Mfn1), thereby sustaining heme synthesis, whereas in cardiac and other non-erythroid tissues it attenuates oxidative damage by limiting mitochondrial ROS accumulation. PMID: 22884976

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

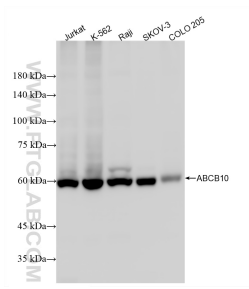
For technical support and original validation data for this product please contact:

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

E: [proteintech@ptglab.com](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



Various lysates were subjected to SDS PAGE followed by western blot with 86853-1-RR (ABCB10 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.