

For Research Use Only

ABCB10 Recombinant monoclonal antibody

Catalog Number: 86853-1-RR



Basic Information

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

Applications

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

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

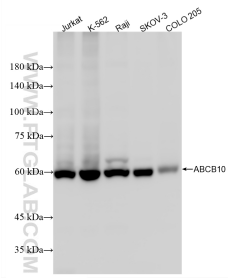
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.