

For Research Use Only

ABCB10 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86853-1-PBS



Basic Information

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

Applications

Tested Applications:
WB, Indirect ELISA

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 -80°C.

Storage Buffer:
PBS only, pH7.3

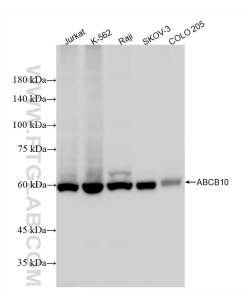
For technical support and original validation data for this product please contact:

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

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. This data was developed using the same antibody clone with 86853-1-PBS in a different storage buffer formulation.