

For Research Use Only

ABCB5 Polyclonal antibody

Catalog Number: 20703-1-AP



Basic Information

Catalog Number: 20703-1-AP	GenBank Accession Number: NM_178559	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 170 µg/ml by Nanodrop;	GeneID (NCBI): 340273	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: ATP-binding cassette, sub-family B (MDR/TAP), member 5	
Isotype: IgG	Calculated MW: 90 kDa	
	Observed MW: 89-110 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB: A431 cells, HT-29 cells, Jurkat cells, K-562 cells, THP-1 cells
Species Specificity: human	

Background Information

ABCB5 is an 812 amino acid multi-pass membrane protein and belongs to the ATP-binding cassette (ABC) transporter superfamily of integral membrane proteins (PMID: 15760339). ABCB5 is an Energy-dependent efflux transporter responsible for decreased drug accumulation in multidrug-resistant cells (PMID: 15899824, 15205344). ABCB5 acts as a marker of stem-like cells (CSC) in several malignancies and is responsible for the resistance to doxorubicin of a subset of malignant melanomas (PubMed:24934811, 15760339). Alternate splicing results in multiple transcript variants.

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

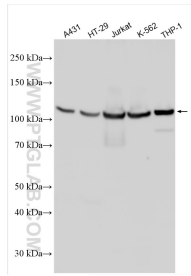
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20703-1-AP (ABCB5 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.