

For Research Use Only

ABCB5 Polyclonal antibody

Catalog Number: 20703-1-AP



Basic Information

Catalog Number:

20703-1-AP

Size:

170 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_178559

GeneID (NCBI):

340273

UNIPROT ID:

Q2M3G0

Full Name:

ATP-binding cassette, sub-family B (MDR/TAP), member 5

Calculated MW:

90 kDa

Observed MW:

89-110 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB: A431 cells, HT-29 cells, Jurkat cells, K-562 cells, THP-1 cells

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

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

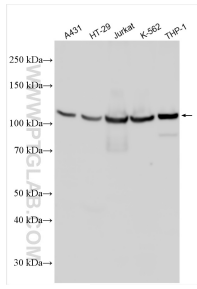
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



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