

For Research Use Only

ABCB5 Polyclonal antibody

Catalog Number: 20703-1-AP



Basic Information

Catalog Number:

20703-1-AP

Size:

450 ug/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:

90-110 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:

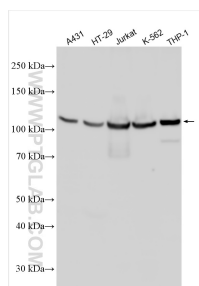
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Selected Validation Data



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.