

For Research Use Only

ABCC5 Polyclonal antibody

Catalog Number: 29792-1-AP



Basic Information

Catalog Number:

29792-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG31680

GenBank Accession Number:

NM_005688

GeneID (NCBI):

10057

UNIPROT ID:

O15440

Full Name:

ATP-binding cassette, sub-family C (CFTR/MRP), member 5

Calculated MW:

161 kDa

Observed MW:

161-200 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human

Positive Controls:

WB: MCF-7 cells, unboiled HepG2 cells, unboiled MCF-7 cells

Background Information

ABCC5, also named as MOAT-C, pABC11, SMRP and MRP5, belongs to the ABC transporter superfamily, ABCC family and Conjugate transporter (TC 3.A.1.208) subfamily. ABCC5 acts as a multispecific organic anion pump which can transport nucleotide analogs. ABCC5 functions in the cellular export of its substrate, cyclic nucleotides. This export contributes to the degradation of phosphodiesterases and possibly an elimination pathway for cyclic nucleotides. Studies show that ABCC5 provides resistance to thiopurine anticancer drugs, 6-mercaptopurine and thioguanine, and the anti-HIV drug 9-(2-phosphonylmethoxyethyl) adenine. ABCC5 may be involved in resistance to thiopurines in acute lymphoblastic leukemia and antiretroviral nucleoside analogs in HIV-infected patients. Alternative splicing of this gene has been detected; however, the complete sequence and translation initiation site is unclear. Since it is glycosylated, the apparent molecular weight of ABCC5 could be variable, ranging from 161 kDa to 200 kDa (PMID: 10893247; PMID: 15897250; PMID: 31338999).

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:

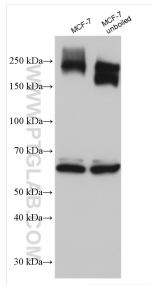
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

Selected Validation Data



Boiled and unboiled MCF-7 lysates were subjected to SDS PAGE followed by western blot with 29792-1-AP (ABCC5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.