

For Research Use Only

ABCC5 Polyclonal antibody

Catalog Number: 29792-1-AP



Basic Information

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| Catalog Number: 29792-1-AP | GenBank Accession Number: NM_005688 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 600 µg/ml by Nanodrop; | GeneID (NCBI): 10057 | Recommended Dilutions: WB 1:500-1:2000 |
| Source: Rabbit | Full Name: ATP-binding cassette, sub-family C (CFTR/MRP), member 5 | |
| Isotype: IgG | Calculated MW: 161 kDa | |
| Immunogen Catalog Number: AG31680 | Observed MW: 161-200 kDa | |

Applications

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| Tested Applications: WB, ELISA | Positive Controls: WB : MCF-7 cells, unboiled HepG2 cells, unboiled MCF-7 cells |
| Species Specificity: Human | |

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

*** 20ul sizes contain 0.1% BSA

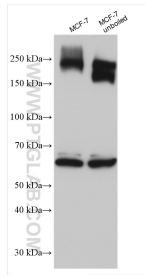
For technical support and original validation data for this product please contact:

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Selected Validation Data



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.