

For Research Use Only

ABCC5 Monoclonal antibody, PBS Only



Catalog Number: 67955-1-PBS

Basic Information

Catalog Number: 67955-1-PBS	GenBank Accession Number: NM_005688	Purification Method: Protein G purification
Size: 1 mg/ml	GeneID (NCBI): 10057	CloneNo.: 2H10F11
Source: Mouse	UNIPROT ID: O15440	
Isotype: IgG1	Full Name: ATP-binding cassette, sub-family C (CFTR/MRP), member 5	
Immunogen Catalog Number: AG31674	Calculated MW: 161 kDa	
	Observed MW: 180-200kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
Human, Rat

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 that 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. 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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

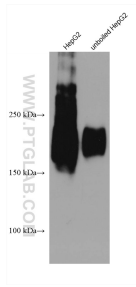
T: 4006900926

E: Proteintech-CN@ptglab.com

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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



Boiled and unboiled HepG2 lysates were subjected to SDS PAGE followed by western blot with 67955-1-Ig (ABCC5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67955-1-PBS in a different storage buffer formulation.