

For Research Use Only

ABCC5 Monoclonal antibody

Catalog Number: 67955-1-Ig



Basic Information

Catalog Number: 67955-1-Ig	GenBank Accession Number: NM_005688	Purification Method: Protein G purification
Size: 150ul, Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 10057	CloneNo.: 2H10F11
Source: Mouse	UNIPROT ID: O15440	Recommended Dilutions: WB 1:5000-1:50000
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, ELISA	Positive Controls: WB : HepG2 cells, U2OS cells, HEK-293 cells, HeLa cells, K-562 cells, HSC-T6 cells
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

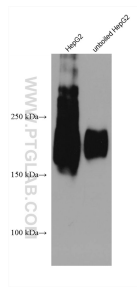
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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.