

For Research Use Only

CoraLite® Plus 488-conjugated ABCC5 Recombinant antibody

Catalog Number: CL488-84204-5



Basic Information

Catalog Number: CL488-84204-5	GenBank Accession Number: NM_005688	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 10057	CloneNo.: 241380G1
Source: Rabbit	UNIPROT ID: O15440	Recommended Dilutions: IF/ICC: 1:50-1:500
Isotype: IgG	Full Name: ATP-binding cassette, sub-family C (CFTR/MRP), member 5	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG31680	Calculated MW: 161 kDa	
	Observed MW: 161-200 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : PC-3 cells,
Species Specificity: human	

Background Information

ABCC5, also named 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. Alternative splicing of this gene has been detected; however, the complete sequence and translation initiation site are 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).

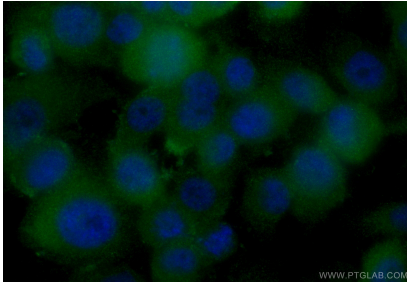
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

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)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed PC-3 cells using Coralite® Plus 488 ABCC5 antibody (CL488-84204-5, Clone: 241380G1) at dilution of 1:200.