

ARG56227 anti-ABCB5 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ABCB5
Tested Reactivity	Hu
Tested Application	FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ABCB5
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 1-30 (N-terminus) of Human ABCB5.
Conjugation	Un-conjugated
Alternate Names	ATP-binding cassette sub-family B member 5; ABCB5 P-gp; P-glycoprotein ABCB5; ABCB5beta; EST422562; ABCB5alpha

Application Instructions

Application table	Application	Dilution
	FACS	1:10 - 1:50
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HL-60	

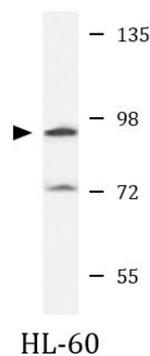
Properties

Form	Liquid
Purification	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 340273 Human Swiss-port # Q2M3G0 Human
Gene Symbol	ABCB5
Gene Full Name	ATP-binding cassette, sub-family B (MDR/TAP), member 5
Background	ABCB5 belongs to the ATP-binding cassette (ABC) transporter superfamily of integral membrane proteins. These proteins participate in ATP-dependent transmembrane transport of structurally diverse molecules ranging from small ions, sugars, and peptides to more complex organic molecules (Chen et al., 2005 [PubMed 15760339]).[supplied by OMIM, Mar 2008]
Function	Drug efflux transporter present in a number of stem cells that acts as a regulator of cellular differentiation. Able to mediate efflux from cells of the rhodamine dye and of the therapeutic drug doxorubicin. Specifically present in limbal stem cells, where it plays a key role in corneal development and repair. [UniProt]
Calculated Mw	139 kDa
Cellular Localization	Cell membrane; Multi-pass membrane protein {ECO:0000255 PROSITE-ProRule:PRU00441, ECO:0000269 PubMed:12960149}

Images



ARG56227 anti-ABCB5 antibody WB image

Western blot: 35 µg of HL-60 cell lysate stained with ARG56227 anti-ABCB5 antibody.