

## ARG59449 anti-ABCG5 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes ABCG5
Tested Reactivity	Hu
Tested Application	FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ABCG5
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 116-131 of Human ABCG5. (NGRALRREQFQDCFSY)
Conjugation	Un-conjugated
Alternate Names	Sterolin-1; STSL; ATP-binding cassette sub-family G member 5

### Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 <sup>6</sup> cells
	WB	0.1 - 0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

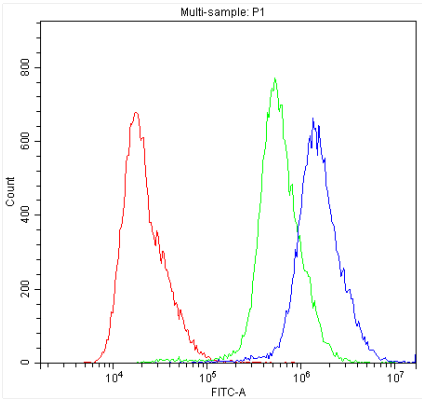
### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.05% Thimerosal, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Thimerosal and 0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
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 or below. 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

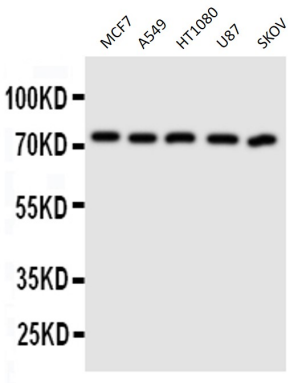
Gene Symbol	ABCG5
Gene Full Name	ATP-binding cassette, sub-family G (WHITE), member 5
Background	<p>The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the White subfamily. The protein encoded by this gene functions as a half-transporter to limit intestinal absorption and promote biliary excretion of sterols. It is expressed in a tissue-specific manner in the liver, colon, and intestine. This gene is tandemly arrayed on chromosome 2, in a head-to-head orientation with family member ABCG8. Mutations in this gene may contribute to sterol accumulation and atherosclerosis, and have been observed in patients with sitosterolemia. [provided by RefSeq, Jul 2008]</p>
Function	<p>Transporter that appears to play an indispensable role in the selective transport of the dietary cholesterol in and out of the enterocytes and in the selective sterol excretion by the liver into bile. [UniProt]</p>
Calculated Mw	73 kDa
Cellular Localization	<p>Cell membrane; Multi-pass membrane protein. Apical cell membrane; Multi-pass membrane protein. [UniProt]</p>

Images



ARG59449 anti-ABCG5 antibody FACS image

Flow Cytometry: A431 cells were blocked with 10% normal goat serum and then stained with ARG59449 anti-ABCG5 antibody (blue) at 1 µg/10<sup>6</sup> cells for 30 min at 20°C, followed by DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10<sup>6</sup> cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



ARG59449 anti-ABCG5 antibody WB image

Western blot: 50 µg of samples under reducing conditions. MCF7, A549, HT1080, U87, SKOV whole cell lysates stained with ARG59449 anti-ABCG5 antibody at 0.5 µg/ml, overnight at 4°C.