DATASHEET

ABCG5 Mouse Monoclonal Antibody(C2482)

CAT. NO. AMA02094

KEY FEATURES

Target	ABCG5	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	WB, FC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

ABCG5 and ABCG8 form an obligate heterodimer that mediates Mg(2+)- and ATP-dependent sterol transport across the cell membrane - and ATP-dependent sterol transport across the cell membrane . Plays an essential role in the selective transport of dietary plant sterols and cholesterol in and out of the enterocytes and in the selective sterol excretion by the liver into bile . Required for normal sterol homeostasis . The heterodimer with ABCG8 has ATPase activity .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:100 - 1:500
FC	1:100 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Mouse monoclonal to ABCG5
Specificity	Recognizes endogenous levels of ABCG5 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human ABCG5 expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 73 kD; Observed: 70 kD kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	ATP-binding cassette sub-family G member 5; Sterolin-1
Gene Symbol	ABCG5
Entrez Gene	64240(Human)
SwissProt	Q9H222(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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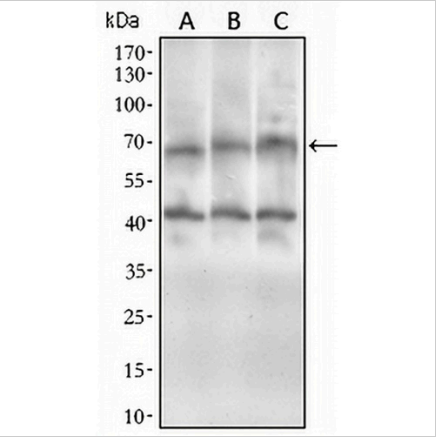
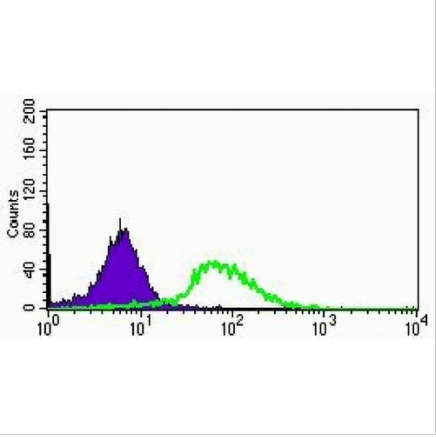


Western blot analysis of ABCG5 expression in HepG2 (A), Hela (B), Jurkat (C) whole cell lysates. (Predicted band size: 73 kD; Observed band size: 70 kD kD)



Flow cytometric analysis of HepG2 cells using Anti-ABCG5 Antibody (green) and negative control (red).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.