

Datasheet for ABIN1724807  
**anti-ABCG5 antibody (AA 306-367)**

5 Images

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## Overview

Quantity:	0.1 mg
Target:	ABCG5
Binding Specificity:	AA 306-367
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ABCG5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

## Product Details

Immunogen:	Purified recombinant fragment of human ABCG5 (AA: 306-367) expressed in E. Coli.
Clone:	1B5D8
Isotype:	IgG1
Purification:	Purified

## Target Details

Target:	ABCG5
Alternative Name:	ABCG5 ( <a href="#">ABCG5 Products</a> )
Background:	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

## Target Details

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.

Molecular Weight:	72.5 kDa
Gene ID:	64240
HGNC:	64240
Pathways:	<a href="#">Lipid Metabolism</a>

## Application Details

Application Notes:	Recommended Dilution: ELISA: 1/10000 WB: 1/500 - 1/2000 FCM: 1/200 - 1/400
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	PBS with 0.05 % sodium azide and 0.5 % protein stabilizer
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 °C or at -20 °C for long term.

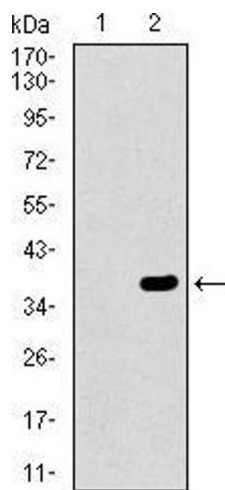
## Publications

Product cited in:	Li, Yin, Wei, Yan, Aung, Wu, Wu, Lin, Liu, Pan: "ATP-binding cassette transporter G5 and G8 polymorphisms and several environmental factors with serum lipid levels." in: <b>PLoS ONE</b> , Vol. 7,
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Issue 5, pp. e37972, (2012) ([PubMed](#)).

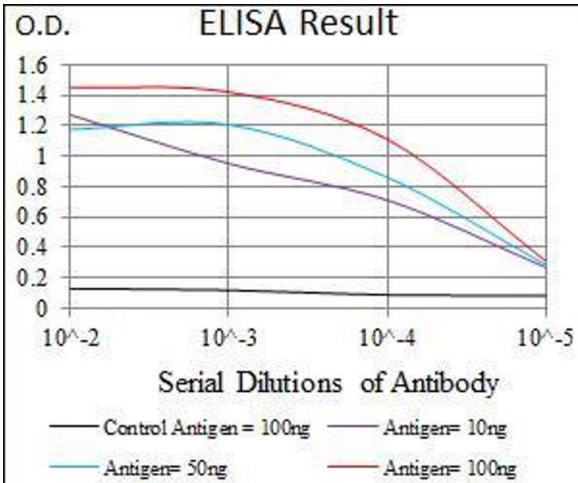
Jakulj, Vissers, Tanck, Hutten, Stellaard, Kastelein, Dallinga-Thie: "ABCG5/G8 polymorphisms and markers of cholesterol metabolism: systematic review and meta-analysis." in: **Journal of lipid research**, Vol. 51, Issue 10, pp. 3016-23, (2010) ([PubMed](#)).

Images



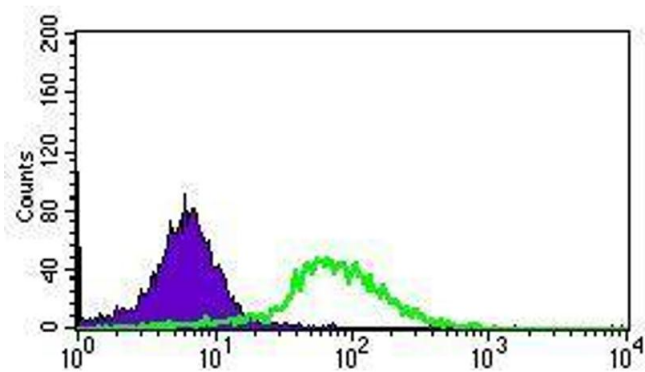
**Western Blotting**

**Image 1.** Western blot analysis using ABCG5 mAb against HEK293 (1) and ABCG5 (AA: 306-367)-hlgGFc transfected HEK293 (2) cell lysate.



**ELISA**

**Image 2.** Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



### Flow Cytometry

**Image 3.** Flow cytometric analysis of HepG2 cells using ABCG5 mouse mAb (green) and negative control (purple).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN1724807.