Datasheet for ABIN1724857

anti-ABCG5 antibody (AA 306-367)

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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, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human ABCG5 (AA: 306-367) expressed in E. coli.
Clone:	1B5E10
Isotype:	IgG1
Purification:	purified

Target Details

Target:	ABCG5
Alternative Name:	ABCG5 (ABCG5 Products)
Background:	Description: 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-

Target Details

	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. , , Aliases: STSL
Molecular Weight:	72.5 kDa
Gene ID:	64240
HGNC:	64240
Pathways:	Lipid Metabolism

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, FCM: 1:200 - 1:400
Restrictions:	For Research Use only

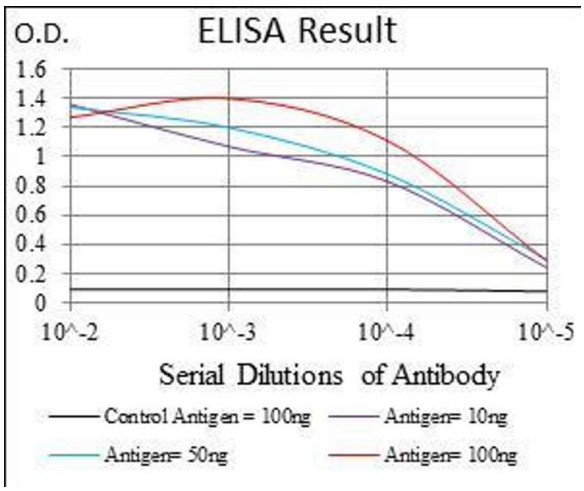
Handling

Format:	Liquid
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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:	4°C, -20°C for long term storage

Publications

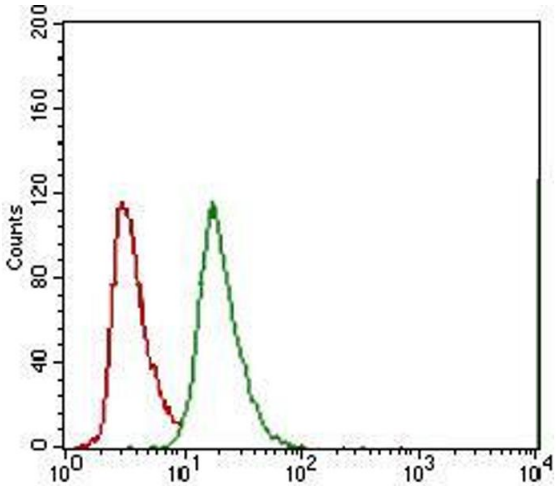
Product cited in:	Yoshida, Ishikawa, Niitsu, Nakazato, Watanabe, Shiraishi, Shiina, Hashimoto, Kanahara, Hasegawa, Enohara, Kimura, Iyo, Hashimoto: "Decreased serum levels of mature brain-derived neurotrophic factor (BDNF), but not its precursor proBDNF, in patients with major depressive disorder." in: **PLoS ONE**, Vol. 7, Issue 8, pp. e42676, (2012) (PubMed).

Images



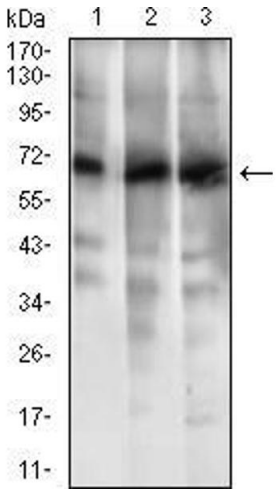
ELISA

Image 1. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



Flow Cytometry

Image 2. Flow cytometric analysis of A549 cells using ABCG5 mouse mAb (green) and negative control (red).



Western Blotting

Image 3. Western blot analysis using ABCG5 mouse mAb against HL7702 (1), RAJI (2) and Jurkat (3) cell lysate.

Please check the product details page for more images. Overall 7 images are available for ABIN1724857.