

ABCG5 monoclonal antibody

Catalog: MB23517

Host: Mouse

Reactivity: Human

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 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.

Product:

Purified antibody in PBS with 0.05% sodium azide

Molecular Weight:

72.5kDa

Swiss-Prot:

Q9H222

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1/500 - 1/2000 FC:1/200 - 1/400

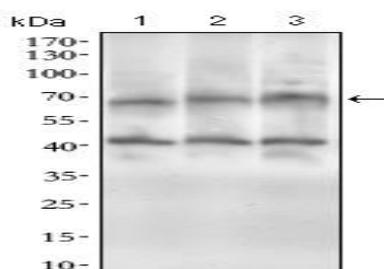
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

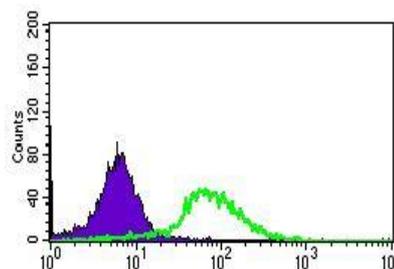
Isotype:

Mouse IgG1

DATA:



Western blot analysis using ABCG5 mouse mAb against HepG2 (1), HeLa (2), and Jurkat (3) cell lysate.



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

Note:

For research use only, not for use in diagnostic procedure.

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