bs-5013R **[Primary Antibody]**

ABCG5 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 64240 **SWISS:** Q9H222

Target: ABCG5

Immunogen: KLH conjugated synthetic peptide derived from human ABCG5: 251-350/651. < Cytoplasmic >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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 atheroschlerosis, and have been observed in patients with sitosterolemia. [provided by RefSeq, Jul 2008].

Applications: **WB** (1:500-2000)
ELISA (1:5000-10000)

Reactivity: Human

Predicted MW.: 72 kDa

Subcellular Location: Cell membrane

SELECTED CITATIONS

- **[IF=6.7]** Musen Lin. et al. Protective Effects of Albiflorin on Acetaminophen-Induced Hepatotoxicity: Regulation of Blood–Biliary Barrier Integrity by ATF3. PHYTOMEDICINE. 2025 Apr;:156722 WB ;Mouse. 40250002
- **[IF=5.7]** Young Shin Ko. et al.ABCG8-mediated sterol efflux increases cancer cell progression via the LRP6/Wnt/β-catenin signaling pathway in radiotherapy-resistant MDA-MB-231 triple-negative breast cancer cells..INTERNATIONAL JOURNAL OF MOLECULAR MEDICINE.2025 May;55(5):80. Western blot ;Human. 40116083
- **[IF=4.879]** Jean Baptiste Nyandwi. et al. Rosmarinic Acid Exhibits a Lipid-Lowering Effect by Modulating the Expression of Reverse Cholesterol Transporters and Lipid Metabolism in High-Fat Diet-Fed Mice. Biomolecules. 2021 Oct;11(10):1470 WB ;Mouse. 34680102
- **[IF=5.08]** Zhong, Chun-Yan, et al. "Microbiota prevents cholesterol loss from the body by regulating host gene expression in mice." Scientific Reports 5 (2015). WB ;="Mouse". 26015368
- **[IF=3.97]** Ding, Lin, et al. "Eicosapentaenoic acid-enriched phospholipids improve atherosclerosis by mediating cholesterol metabolism." Journal of Functional Foods 32 (2017): 90-97. WB ;="Mouse". doi:10.1016/j.jff.2017.02.020