

bs-1231R**[Primary Antibody]****ABCG1 Rabbit pAb**

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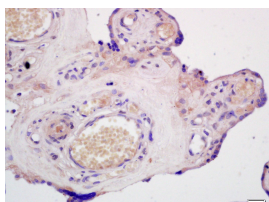
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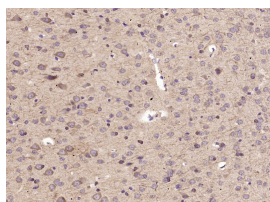
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DATASHEET

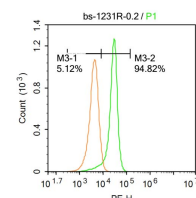
Host: Rabbit Clonality: Polyclonal GeneID: 9619 Target: ABCG1 Immunogen: KLH conjugated synthetic peptide derived from human ABCG1: 561-678/678. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. 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. It is involved in macrophage cholesterol and phospholipids transport, and may regulate cellular lipid homeostasis in other cell types. Six alternative splice variants have been identified.	Isotype: IgG SWISS: P45844	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (0.2ug/test) Reactivity: Human, Mouse, Rat Predicted MW.: 76 kDa Subcellular Location: Cytoplasm
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VALIDATION IMAGES

Tissue/cell: human placenta tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-ABCG1 Polyclonal Antibody, Unconjugated(bs-1231R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by microwave in sodium citrate buffer (pH6.0); Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (ABCG1) Polyclonal Antibody, Unconjugated (bs-1231R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.



Blank control: Molt-4. Primary Antibody (green line): Rabbit Anti-ABCG1 antibody (bs-1231R) Dilution: 0.2μg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody : Goat anti-rabbit IgG-PE Dilution: 0.2μg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 20% PBST for 20 min at -20°C. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=3.265]** Zhang Y et al. Exposure to carbon black nanoparticles during pregnancy persistently damages the cerebrovascular function in female mice. Toxicology. 2019 Apr 22;422:44-52. IF, WB ;Mouse. 31022427
- **[IF=3.274]** Yang B et al. Polychlorinated Biphenyl Quinone Promotes Macrophage-Derived Foam Cell Formation. Chem Res Toxicol. 2019 Nov 13. WB ;Mouse. 31680514

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=1.55]** Jia, Lianqun, et al. "Effects of Tanshinone IIA on the modulation of miR-33a and the SREBP-2/Pcsk9 signaling pathway in hyperlipidemic rats." *Molecular Medicine Reports* (2016). WB ;="Rat". 27082100