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## ABCG1 Rabbit pAb

Catalog Number: bs-23382R

Target Protein: ABCG1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse, Rat (predicted:Dog)

Predicted MW: 76 kDa

Subcellular: Cytoplasm

Locations:

Entrez Gene: 9619

Swiss Prot: P45844

Source: KLH conjugated synthetic peptide derived from human ABCG1: 1-100/663.

Purification: affinity purified by Protein A

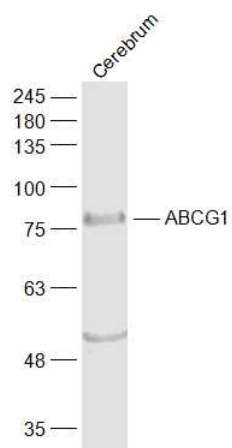
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

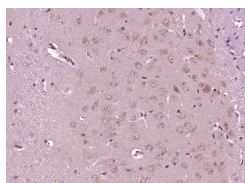
**Background:** The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, 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.

### VALIDATION IMAGES

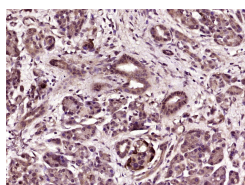
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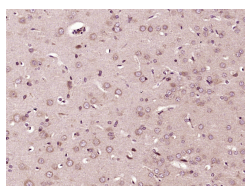
Sample: Cerebrum (Mouse) Lysate at 40 ug Primary: Anti-ABCG1 (bs-23382R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 76 kD Observed band size: 76 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ABCG1) Polyclonal Antibody, Unconjugated (bs-23382R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human pancreatic cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ABCG1) Polyclonal Antibody, Unconjugated (bs-23382R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ABCG1) Polyclonal Antibody, Unconjugated (bs-23382R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

## PRODUCT SPECIFIC PUBLICATIONS

[IF=7.086] Haidong Li. et al. Iron oxide nanoparticles oxidize transformed RAW 264.7 macrophages into foam cells: Impact of pulmonary surfactant component dipalmitoylphosphatidylcholine. CHEMOSPHERE. 2022 Aug;300:134617 WB ; Mouse .

10.1016/j.chemosphere.2022.134617

[IF=7] Zhang, Yaxin. et al. Stigmasterol attenuates hepatic steatosis in rats by strengthening the intestinal barrier and improving bile acid metabolism. npj Science of Food. 2022 Aug;6(1):1-14 WB ; Rat . 10.1038/s41538-022-00156-0

[IF=5.3] Yue Li. et al. Huayu Qutan Recipe promotes lipophagy and cholesterol efflux through the mTORC1/TFEB/ABCA1-SCARB1 signal axis. J CELL MOL MED. 2024 Mar;28(8):e18257 WB ; Mouse . 38526033

[IF=4.8] Haoqiang Chen. et al. IFIT2 mediates iron retention and cholesterol efflux in atherosclerosis. INT IMMUNOPHARMACOL. 2024 Dec;142:113131 WB,IF ; Mouse . 39276454

[IF=4.109] Yu Haiyi. et al. The Foam Cell Formation Associated With Imbalanced Cholesterol Homeostasis Due to Airborne Magnetite Nanoparticles Exposure. TOXICOL SCI. 2022 Aug; WB ; Mouse,Human . 35913497