

## ABCG1 Rabbit mAb

Catalog No: #52088

Package Size: #52088-1 50ul #52088-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

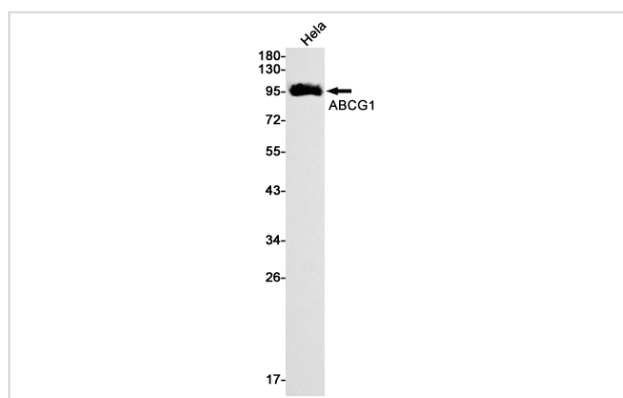
## Description

|                       |                                                                                                         |
|-----------------------|---------------------------------------------------------------------------------------------------------|
| Product Name          | ABCG1 Rabbit mAb                                                                                        |
| Host Species          | Recombinant Rabbit                                                                                      |
| Clonality             | Monoclonal antibody                                                                                     |
| Clone No.             | S06-5B9                                                                                                 |
| Isotype               | Rabbit IgG                                                                                              |
| Purification          | Affinity Purified                                                                                       |
| Applications          | WB                                                                                                      |
| Species Reactivity    | Human;Mouse;Rat                                                                                         |
| Immunogen Description | A synthetic peptide of human ABCG1                                                                      |
| Conjugates            | Unconjugated                                                                                            |
| Modification          | Unmodification                                                                                          |
| Other Names           | ATP-binding cassette transporter 8; White protein homolog; ABC8; WHT1;ABCG1; ABC transporter 8; WHITE1; |
| Accession No.         | Swiss-Prot:P45844GeneID:9619                                                                            |
| Calculated MW         | Calculated MW: 76 kDa; Observed MW: 100 kDa                                                             |
| Formulation           | 50nM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA                   |
| Storage               | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.                |

## Application Details

WB: 1/2000

## Images



Western blot detection of ABCG1 in HeLa cell lysates using ABCG1 Rabbit mAb(1:1000 diluted). Predicted band size:76kDa.Observed band size:100kDa.

## Background

Catalyzes the efflux of phospholipids such as sphingomyelin, cholesterol and its oxygenated derivatives like 7beta-hydroxycholesterol and this transport is coupled to hydrolysis of ATP (PubMed:17408620, PubMed:24576892).

The lipid efflux is ALB-dependent (PubMed:16702602).

Is an active component of the macrophage lipid export complex. Could also be involved in intracellular lipid transport processes. The role in cellular lipid homeostasis may not be limited to macrophages. Prevents cell death by transporting cytotoxic 7beta-hydroxycholesterol (PubMed:17408620).

## Published Papers

Hao Xu;Hao Xu;Xueni Sun;Xueni Sun;Miaoru Peng;Miaoru Peng;Yuanshu Zhao;Yuanshu Zhao;Shuxian Li;Shuxian Li;Ping Li;Ping Li;Fan Zhang;Fan Zhang;Xiaodong Fu;Xiaodong Fu;Xiaoyang Xu;Xiaoyang Xu et al., Niacin-induced lysosomal free cholesterol efflux via LXRA-mediated signaling pathways in macrophages retards the progression of atherosclerosis, , (2025)

PMID:

Note: This product is for in vitro research use only and is not intended for use in humans or animals.