

ABCG1 Rabbit mAb

Catalog No: #52088

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

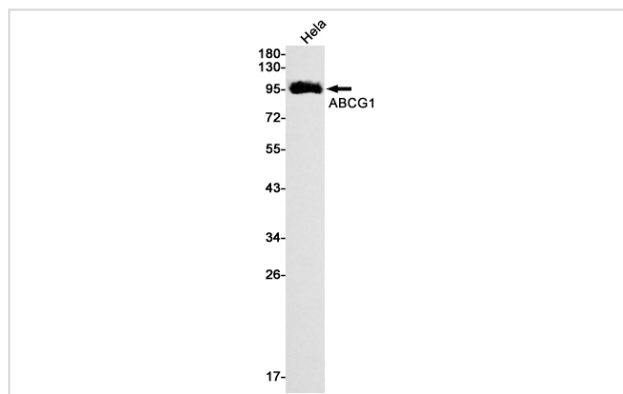
Description

Product Name	ABCG1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
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
Concentration	0.3 mg/ml
Formulation	50mM 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.