

ABCG1 Rabbit mAb

Catalog No: #52088

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

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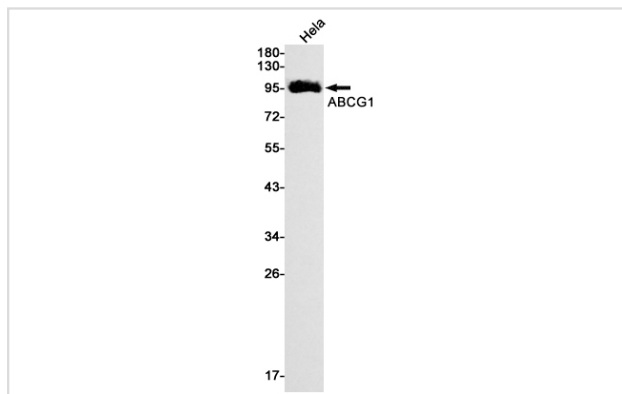
Description

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
Uniprot	P45844
GeneID	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).

Note: This product is for in vitro research use only