

Product Name: ABCG1 (9S10) Rabbit Monoclonal Antibody
Catalog #: AMRe06423



Summary

Production Name	ABCG1 (9S10) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Purification	Affinity purification

Immunogen

Gene Name	ABCG1
Alternative Names	ATP-binding cassette transporter 8; White protein homolog; ABC8; WHT1;ABCG1; ABC transporter 8; WHITE1;
Gene ID	9619.0
SwissProt ID	P45844.A synthetic peptide of human ABCG1

Application

Dilution Ratio	WB: 1:2000
Molecular Weight	76kDa

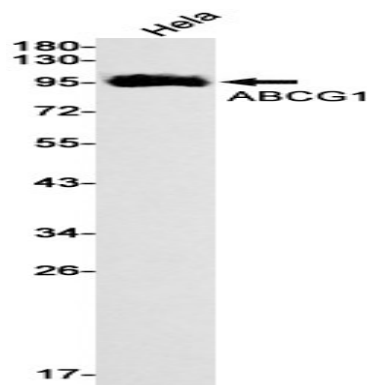
Product Name: ABCG1 (9S10) Rabbit Monoclonal Antibody
Catalog #: AMRe06423

Background

Functions to regulate cholesterol and phospholipid transport in macrophages. ABCG1 is highly expressed in several tissues, including brain, spleen, lung and placenta, and has been localized to the cell surface and intracellular compartments of cholesterol-laden macrophages. 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).

Research Area

Image Data



Western blot detection of ABCG1 in HeLa cell lysates using ABCG1 antibody(1:1000 diluted).

Note

For research use only.