

产品名称: ABCG1 (9S10) Rabbit Monoclonal Antibody
产品货号: AMRe06423



产品概述 (Summary)

产品名称 (Production Name)	ABCG1 (9S10) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB, ICC/IF
种属反应性 (Reactivity)	Human, Mouse, Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

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

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:1000-1:2000, ICC/IF 1:20-1:50
蛋白分子量 (Molecular Weight)	76kDa

研究背景 (Background)

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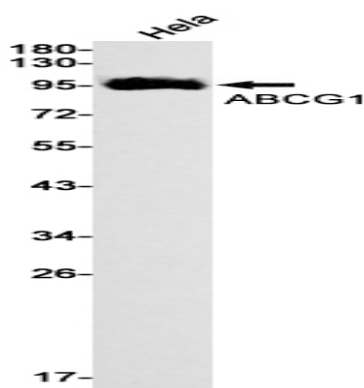


Functions to regulate cholesterol and phospholipid transport in macrophages. ABCG1 is highly expressed in several tissues, including brain, spleen, lung and placenta, and has been localized to the cell surface and intracellular compartments of cholesterol-laden macrophages. Catalyzes the efflux of phospholipids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

研究领域 (Research Area)

Neuroscience

图片 (Image Data)



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

注意事项 (Note)

For research use only .