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ABCG1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant ABCG1.
Catalog # AT1011a

Product Information

Application	E
Primary Accession	P45844
Other Accession	BC029158
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Lambda
Clone Names	2E12
Calculated MW	75592

Additional Information

Gene ID	9619
Other Names	ATP-binding cassette sub-family G member 1, ATP-binding cassette transporter 8, White protein homolog, ABCG1, ABC8, WHT1
Target/Specificity	ABCG1 (AAH29158, 21 a.a. ~ 130 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	ABCG1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

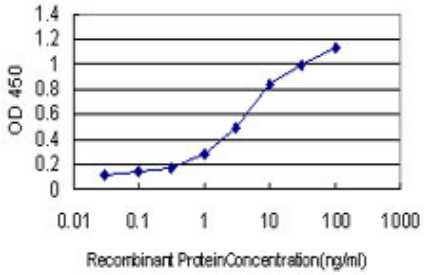
Background

The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the White subfamily. It is involved in macrophage cholesterol and phospholipids transport, and may regulate cellular lipid homeostasis in other cell types. Six alternative splice variants have been identified.

References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Adenosine monophosphate activated protein kinase regulates ABCG1-mediated oxysterol efflux from endothelial cells and protects against hypercholesterolemia-induced endothelial dysfunction. Li D, et al. Arterioscler Thromb Vasc Biol, 2010 Jul. PMID 20395595.Association of selected ABC gene family single nucleotide polymorphisms with postprandial lipoproteins: results from the population-based Hortega study. Abell?n R, et al. Atherosclerosis, 2010 Jul. PMID 20170916.TGF-beta1 up-regulates expression of ABCA1, ABCG1 and SR-BI through liver X receptor alpha signaling pathway in THP-1 macrophage-derived foam cells. Hu YW, et al. J Atheroscler Thromb, 2010. PMID 20057170.Integrative predictive model of coronary artery calcification in atherosclerosis. McGeachie M, et al. Circulation, 2009 Dec 15. PMID 19948975.

Images



Detection limit for recombinant GST tagged ABCG1 is approximately 0.1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.