

**ABCG1 Antibody (monoclonal) (M01)**

Mouse monoclonal antibody raised against a partial recombinant ABCG1.

Catalog # AT1011a

**Specification**

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**ABCG1 Antibody (monoclonal) (M01) - Product Information**

Application	E
Primary Accession	<a href="#">P45844</a>
Other Accession	<a href="#">BC029158</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Lambda
Calculated MW	75592

**ABCG1 Antibody (monoclonal) (M01) - 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.

**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.

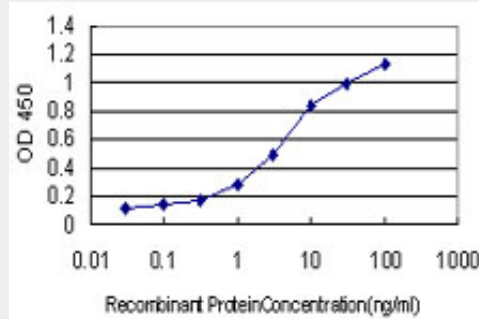
**ABCG1 Antibody (monoclonal) (M01) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

### **ABCG1 Antibody (monoclonal) (M01) - Images**



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

### **ABCG1 Antibody (monoclonal) (M01) - 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.

### **ABCG1 Antibody (monoclonal) (M01) - References**

Variation at the NFATC2 Locus Increases the Risk of Thiazolidinedione-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 Hortegea study. Abell 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.