

### Anti-ABCG1 antibody [EP1366Y] ab52617

重组 RabMAb

★★★★☆ **5 Abreviews** **76 References** **5 图像**

#### 概述

产品名称	Anti-ABCG1抗体[EP1366Y]
描述	兔单克隆抗体[EP1366Y] to ABCG1
宿主	Rabbit
经测试应用	<b>适用于:</b> ICC/IF, WB <b>不适用于:</b> IHC-P
种属反应性	<b>与反应:</b> Mouse, Rat, Cow, Human
免疫原	Synthetic peptide within Human ABCG1 aa 150-250. The exact sequence is proprietary.
阳性对照	ICC/IF: HUVEC cell lysate.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EP1366Y
同种型	IgG

## 应用

**The Abpromise guarantee**      **Abpromise™**承诺保证使用ab52617于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF	★☆☆☆☆ (1)	1/100.
WB	★★★★★ (3)	1/1000 - 1/10000. Detects a band of approximately 110 kDa (predicted molecular weight: 75 kDa).

**应用说明**      Is unsuitable for IHC-P.

## 靶标

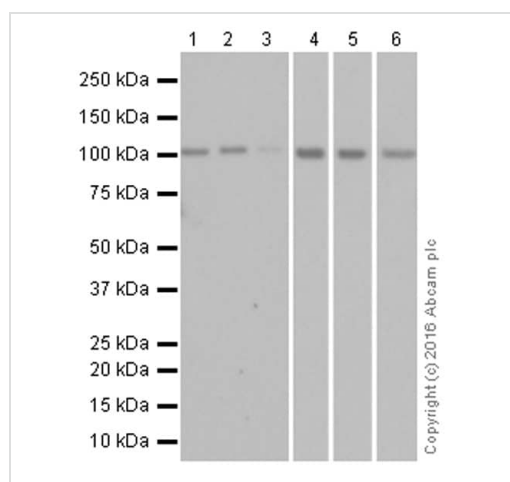
**功能**      Transporter involved in macrophage lipid homeostasis. Is an active component of the macrophage lipid export complex. Could also be involved in intracellular lipid transport processes. The role in cellular lipid homeostasis may not be limited to macrophages.

**组织特异性**      Expressed in several tissues. Expressed in macrophages; expression is increased in macrophages from patients with Tangier disease.

**序列相似性**      Belongs to the ABC transporter superfamily. ABCG family. Eye pigment precursor importer (TC 3.A.1.204) subfamily.  
Contains 1 ABC transmembrane type-2 domain.  
Contains 1 ABC transporter domain.

**细胞定位**      Endoplasmic reticulum membrane. Golgi apparatus membrane. Predominantly localized in the intracellular compartments mainly associated with the endoplasmic reticulum (ER) and Golgi membranes.

## 图片



Western blot - Anti-ABCG1 antibody [EP1366Y]  
(ab52617)

**All lanes** : Anti-ABCG1 antibody [EP1366Y] (ab52617) at 1/1000 dilution ((purified))

**Lane 1** : Rat kidney lysate

**Lane 2** : Rat liver lysate

**Lane 3** : MDBK (Bovine kidney cell line) whole cell lysate

**Lane 4** : HUVEC (Human umbilical vein endothelial cell line) whole cell lysate

**Lane 5** : HepG2 (Human liver hepatocellular carcinoma cell line) whole cell lysate

**Lane 6** : RAW 264.7 (Mouse macrophage cell line transformed with Abelson murine leukemia virus) whole cell lysate

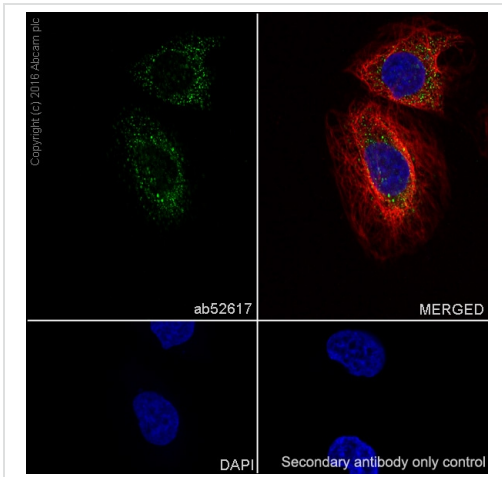
Lysates/proteins at 20 µg per lane.

## Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

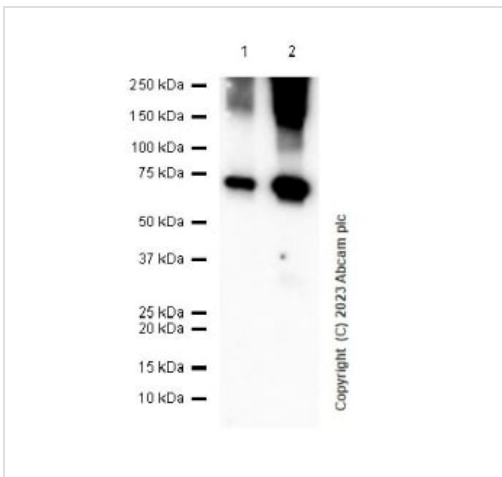
**Predicted band size:** 75 kDa

Blocking and diluting buffer: 5% NFDM /TBST



Immunocytochemistry/ Immunofluorescence - Anti-ABCG1 antibody [EP1366Y] (ab52617)

ab52617 staining ABCG1 in HUVEC (Human umbilical vein endothelial cell line) cells by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with 4% Paraformaldehyde and permeabilized with 0.1% Triton X-100. Samples were incubated with primary antibody at a dilution of 1/100. A goat anti rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) was used as the secondary antibody at a dilution of 1/1000. [ab195889](#) was used as a counterstain for primary antibody ab52617 at 1/200. DAPI was used as a nuclear counterstain and PBS as a negative control.



Western blot - Anti-ABCG1 antibody [EP1366Y] (ab52617)

**Lane 1 :** Anti-ABCG1 antibody [EP1366Y] (ab52617) at 1/1000 dilution

**Lane 2 :** Anti-DDDDK tag (Binds to FLAG® tag sequence) antibody [EPR20018-251] ([ab205606](#)) at 1/1000 dilution

**All lanes :** C-Myc/DDK-tagged full length human ABCG1 recombinant protein 10 ng

## Secondary

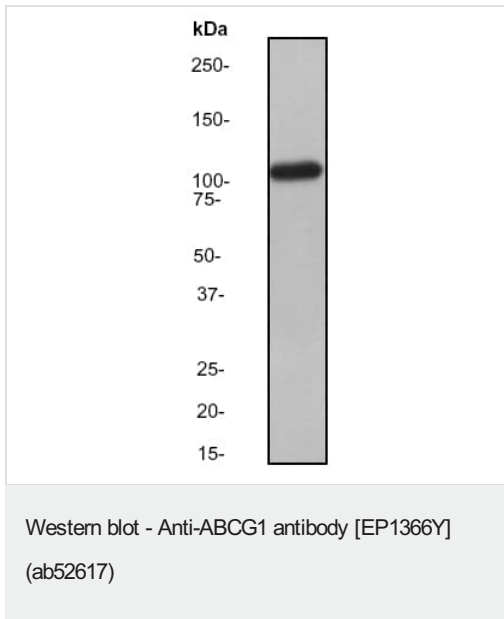
**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

**Predicted band size:** 75 kDa

**Observed band size:** 75 kDa

**Exposure time:** 180 seconds

Blocking/Dilution buffer: 5% NFDM/TBST



Anti-ABCG1 antibody [EP1366Y] (ab52617) at 1/2000 dilution + HUVEC cell lysate at 10 µg

#### Secondary

Goat anti-rabbit HRP antibody at 1/2000 dilution

**Predicted band size:** 75 kDa

**Observed band size:** 110 kDa

Why choose a recombinant antibody?

- Research with confidence**  
Consistent and reproducible results
- Long-term and scalable supply**  
Recombinant technology
- Success from the first experiment**  
Confirmed specificity
- Ethical standards compliant**  
Animal-free production

Anti-ABCG1 antibody [EP1366Y] (ab52617)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

#### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise,

please visit <https://www.abcam.cn/abpromise> or contact our technical team.

## **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors