

Product datasheet

Anti-ABCG1 antibody [EP1366Y] ab52617

リコンビナント RabMAb®

★★★★★ 5 Abreviews 17 References 画像数 4

製品の概要

製品名	Anti-ABCG1 antibody [EP1366Y]
製品の詳細	Rabbit monoclonal [EP1366Y] to ABCG1
由来種	Rabbit
アプリケーション	適用あり: ICC/IF, WB 適用なし: IHC-P
種交差性	交差種: Mouse, Rat, Cow, Human
免疫原	A synthetic peptide corresponding to residues on human ABCG1.
ポジティブ・コントロール	HUVEC cell lysate, human cervical carcinoma.
特記事項	This product is a recombinant rabbit monoclonal antibody. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at 4°C prior to reconstitution. Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EP1366Y
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab52617** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

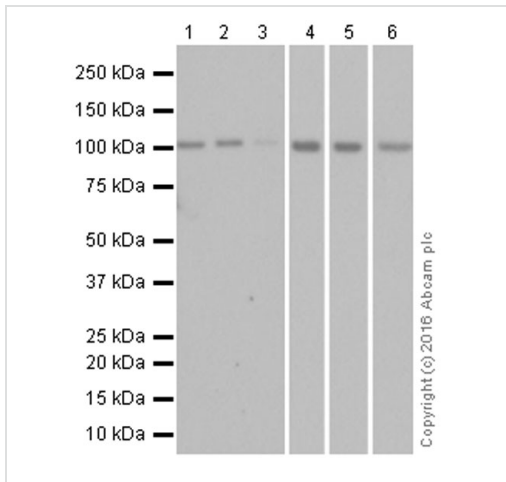
アプリケーション	Abreviews	特記事項
ICC/IF		1/100.
WB	★★★★★	1/1000 - 1/10000. Detects a band of approximately 110 kDa (predicted molecular weight: 75 kDa).

追加情報 Is unsuitable for IHC-P.

ターゲット情報

機能	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.
組織特異性	Expressed in several tissues. Expressed in macrophages; expression is increased in macrophages from patients with Tangier disease.
配列類似性	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.
細胞内局在	Endoplasmic reticulum membrane. Golgi apparatus membrane. Predominantly localized in the intracellular compartments mainly associated with the endoplasmic reticulum (ER) and Golgi membranes.

画像



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

All lanes : Anti-ABCG1 antibody [EP1366Y] (ab52617) at 20 µg

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

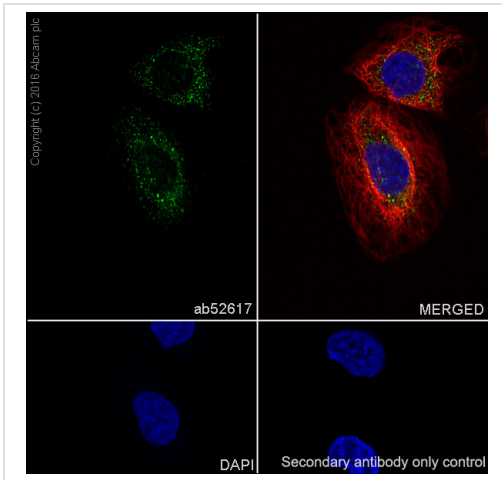
Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 20000 µg

Predicted band size: 75 kDa

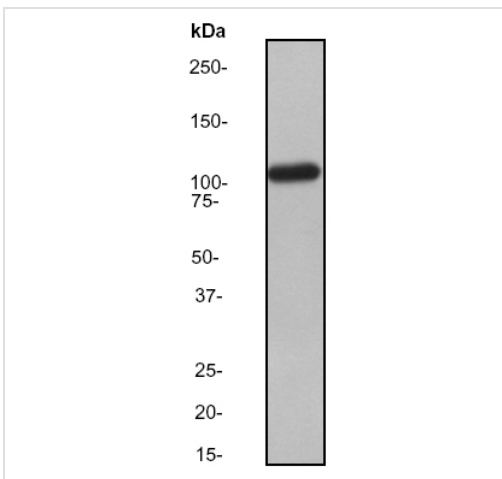
Blocking and diluting buffer: 5% NFDM /TBST



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)

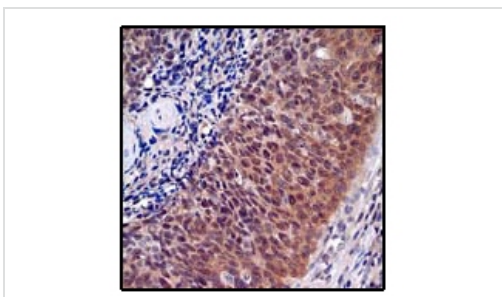
Anti-ABCG1 antibody [EP1366Y] (ab52617) at 1/2000 dilution + HUVEC cell lysate at 10 µg

Secondary

Goat anti-rabbit HRP antiibody at 1/2000 dilution

Predicted band size: 75 kDa

Observed band size: 110 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ABCG1 antibody [EP1366Y] (ab52617)

Ab52617 at 1/50 dilution staining human cervical carcinoma tissue; paraffin embedded.

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