

Product datasheet

Anti-ABCG1 antibody [EP1366Y] ab52617

Recombinant **RabMAb**

★★★★☆ **5 Abreviews** **76 References** [5 Images](#)

Overview

Product name	Anti-ABCG1 antibody [EP1366Y]
Description	Rabbit monoclonal [EP1366Y] to ABCG1
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB Unsuitable for: IHC-P
Species reactivity	Reacts with: Mouse, Rat, Cow, Human
Immunogen	Synthetic peptide within Human ABCG1 aa 150-250. The exact sequence is proprietary.
Positive control	ICC/IF: HUVEC cell lysate.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EP1366Y
Isotype	IgG

Applications

The Abpromise guarantee

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.

Application	Abreviews	Notes
ICC/IF	★ ★ ★ ★ ★ (1)	1/100.
WB	★ ★ ★ ★ ★ (3)	1/1000 - 1/10000. Detects a band of approximately 110 kDa (predicted molecular weight: 75 kDa).

Application notes

Is unsuitable for IHC-P.

Target

Function

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.

Tissue specificity

Expressed in several tissues. Expressed in macrophages; expression is increased in macrophages from patients with Tangier disease.

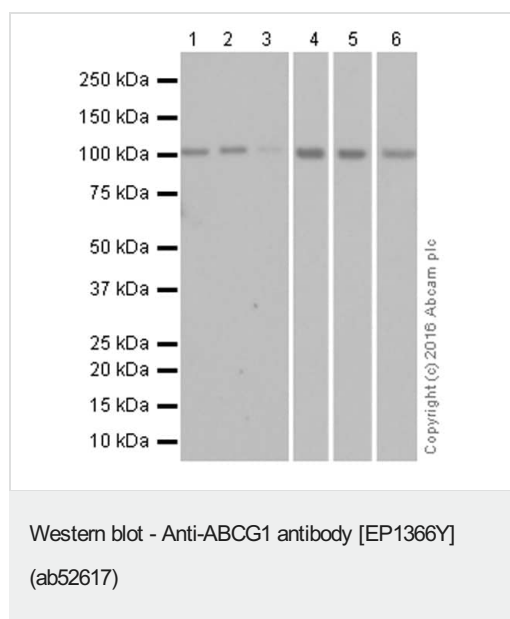
Sequence similarities

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.

Cellular localization

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

Images



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

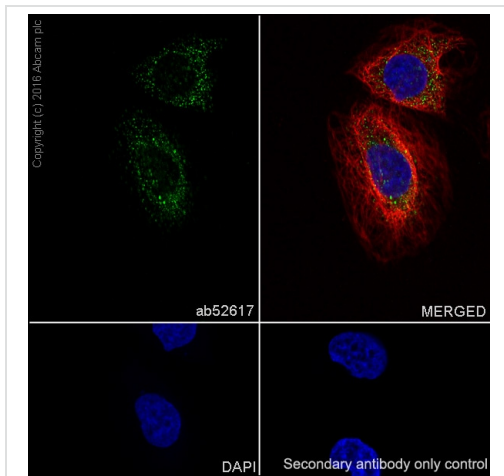
Lysates/proteins at 20 µg per lane.

Secondary

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

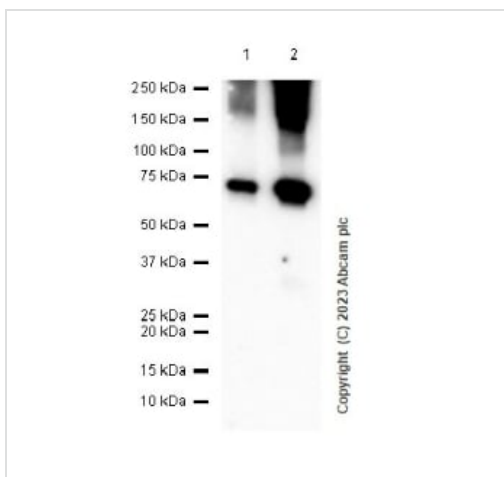
Predicted band size: 75 kDa

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

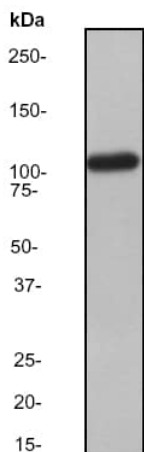
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 75 kDa

Observed band size: 75 kDa

Exposure time: 180 seconds

Blocking/Dilution buffer: 5% NFDM/TBST



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 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"

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