

## Product datasheet

# Anti-ABCB5 antibody [5H3C6] ab140667

★★★★★ 1 Abreviews 4 References 6 Images

### Overview

<b>Product name</b>	Anti-ABCB5 antibody [5H3C6]
<b>Description</b>	Mouse monoclonal [5H3C6] to ABCB5
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, Flow Cyt, ICC/IF, ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Purified recombinant fragment, corresponding to amino acids 481-674 of Human ABCB5, expressed in <i>E. Coli</i> . <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	Recombinant Human ABCB5 protein; A431 cell lysate; HepG2 cells; Human liver cancer and breast cancer tissues.
<b>General notes</b>	This product was changed from ascites to supernatant. Lot no's high than GR206345-20 are from Tissue Culture Supernatant

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term.
<b>Storage buffer</b>	Preservative: 0.05% Sodium azide Constituent: 99% PBS  Contains 0.5% protein stabilizer.
<b>Purity</b>	Protein G purified
<b>Purification notes</b>	Purified from tissue culture supernatant.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	5H3C6
<b>Isotype</b>	IgG1

### Applications

Our [Abpromise guarantee](#) covers the use of **ab140667** 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
WB		1/500 - 1/2000. Predicted molecular weight: 90 kDa.
IHC-P	★★★★★	1/200 - 1/1000.
Flow Cyt		1/200 - 1/400. <a href="#">ab170190</a> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
ICC/IF		1/200 - 1/1000.
ELISA		Use at an assay dependent concentration.

## Target

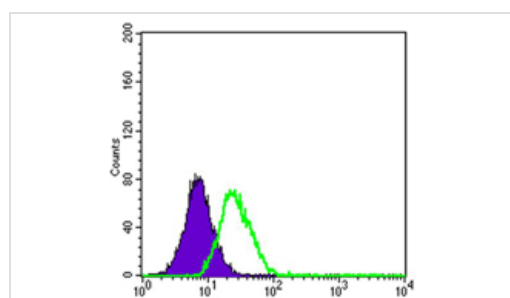
**Function** Plasma membrane transporter able to mediate efflux from cells of the rhodamine dye and of the therapeutic drug doxorubicin. Responsible for the resistance to doxorubicin of a subset of malignant melanomas.

**Tissue specificity** Expressed by CD133-expressing progenitor cells among epidermal melanocytes (at protein level). Widely expressed with specific expression in pigment cells. Also expressed in several malignant tissues.

**Sequence similarities** Belongs to the ABC transporter superfamily. ABCB family. Multidrug resistance exporter (TC 3.A.1.201) subfamily.  
Contains 1 ABC transmembrane type-1 domain.  
Contains 2 ABC transporter domains.

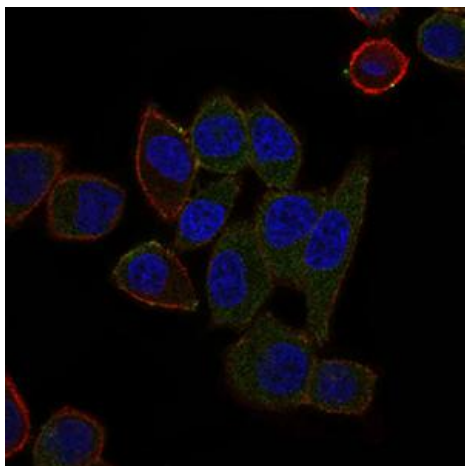
**Cellular localization** Cell membrane.

## Images



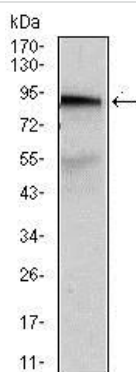
Flow cytometric analysis of HepG2 cells labeling ABCB5 with [ab140667](#) at 1/200 dilution (green);negative control (red).

Flow Cytometry - Anti-ABCB5 antibody [5H3C6]  
([ab140667](#))



Immunocytochemistry/ Immunofluorescence - Anti-ABC5 antibody [5H3C6] (ab140667)

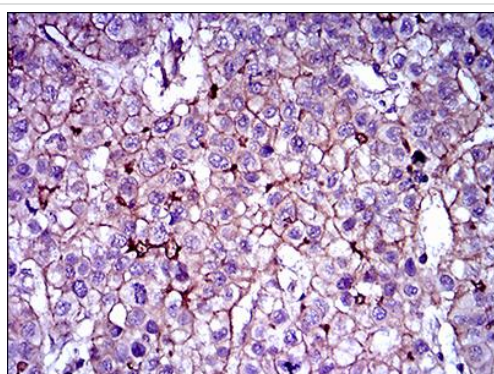
Immunofluorescent analysis of HepG2 cells labeling ABC5 with ab140667 at 1/200 dilution (green); Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Western blot - Anti-ABC5 antibody [5H3C6] (ab140667)

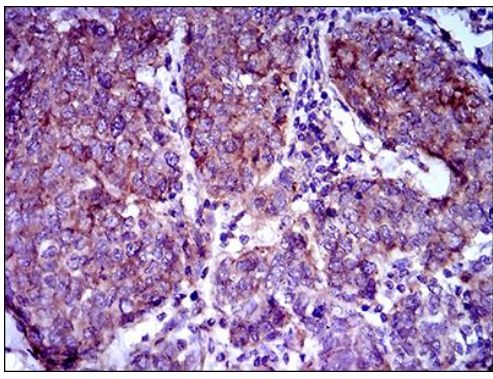
Anti-ABC5 antibody [5H3C6] (ab140667) at 1/500 dilution + A431 cell lysate.

**Predicted band size: 90 kDa**



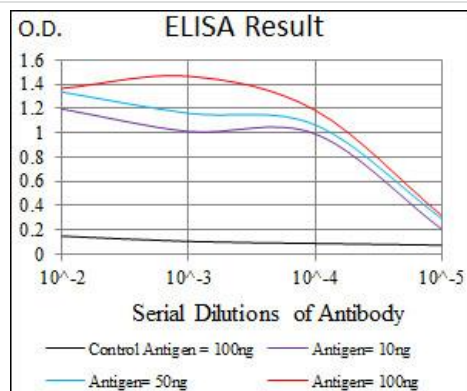
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ABC5 antibody [5H3C6] (ab140667)

Immunohistochemical analysis of paraffin-embedded Human liver cancer tissue labeling ABC5 with ab140667 at 1/200 dilution followed by DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ABCB5 antibody [5H3C6] (ab140667)

Immunohistochemical analysis of paraffin-embedded Human breast cancer tissue labeling ABCB5 with ab140667 at 1/200 dilution followed by DAB staining.



ELISA - Anti-ABCB5 antibody [5H3C6] (ab140667)

ELISA analysis using ab140667. Antigen = Purified recombinant fragment, corresponding to amino acids 481-674 of Human ABCB5, expressed in E. Coli.

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

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