




### Anti-ABCB5 antibody ab77549

[6 References](#) [2 Images](#)

#### Overview

<b>Product name</b>	Anti-ABCB5 antibody
<b>Description</b>	Goat polyclonal to ABCB5
<b>Host species</b>	Goat
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Horse, Cow, Chimpanzee 
<b>Immunogen</b>	Synthetic peptide: C-QTQHRNTSKKAQ , corresponding to internal sequence amino acids 460-471 of Human ABCB5 (NP_848654.3).  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, 0.5% Tris buffered saline
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	ab77549 is purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunising peptide.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab77549 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		Use a concentration of 0.3 - 1 µg/ml. Detects a band of approximately 90 kDa (predicted molecular weight: 90 kDa). 1 hour primary incubation is recommended for this product.

## 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.

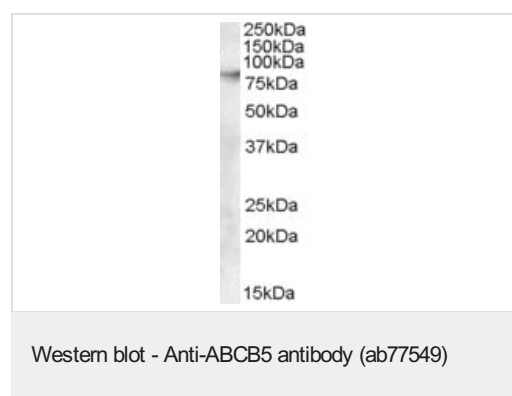
Contains 1 ABC transmembrane type-1 domain.

Contains 2 ABC transporter domains.

### Cellular localization

Cell membrane.

## Images

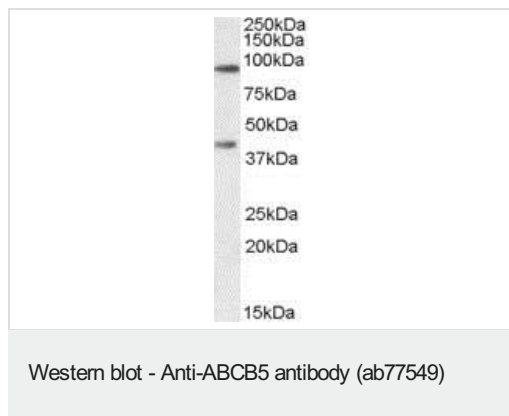


Anti-ABCB5 antibody (ab77549) at 0.03 µg/ml + A431 cell lysate  
(in RIPA buffer) at 35 µg

**Predicted band size:** 90 kDa

**Observed band size:** 80 kDa

Primary incubation was 1 hour.



Anti-ABCB5 antibody (ab77549) at 0.3 µg/ml + Human skin Lysate  
in RIPA buffer. at 35 µg

Developed using the ECL technique.

**Predicted band size:** 90 kDa

**Observed band size:** 90 kDa

Primary incubation was 1 hour.

**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

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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.com/abpromise> or contact our technical team.

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