

Datasheet: AHP1667

Description:	GOAT ANTI HUMAN ABCB5
Specificity:	ABCB5
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/128000
Immunoprecipitation			▪	
Western Blotting	▪			0.03 - 0.1ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Antiserum Preparation	Antiserum to ABCB5 was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.
Buffer Solution	TRIS buffered saline
Preservative	0.02% Sodium Azide (NaN ₃)
Stabilisers	0.5% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.5mg/ml

Immunogen Peptide sequence C-QTQHRNTSKKAQ from the internal region of ABCB5 (NP_848654.3)

External Database

Links

UniProt:

[Q2M3G0](#) [Related reagents](#)

Entrez Gene:

[340273](#) ABCB5 [Related reagents](#)

RRID

AB_2220822

Specificity

Goat anti Human ABCB5 antibody recognises human ABCB5 (ATP-binding cassette sub-family B member 5), a P-glycoprotein and member of the conserved ABC transporter family, which acts as an energy-dependent efflux transporter for rhodamine ([Frank et al. 2003](#)). ABCB5 is primarily expressed by skin progenitor cells and acts as a regulator of cell fusion and determinant of membrane potential. ABCB5 is expressed in human malignant melanoma, and is associated with CD133+ stem cell phenotype-expressing cells.

Western Blotting

AHP1667 detects a band of approximately 80kDa in A431 cell lysates

References

1. Parmakhtiar, B. *et al.* (2019) HIF Inactivation of p53 in Ovarian Cancer Can Be Reversed by Topotecan, Restoring Cisplatin and Paclitaxel Sensitivity. [Mol Cancer Res. 17 \(8\): 1675-86.](#)

Further Reading

1. Moitra, K. *et al.* (2011) Molecular evolutionary analysis of ABCB5: the ancestral gene is a full transporter with potentially deleterious single nucleotide polymorphisms. [PLoS One. 6: e16318.](#)

Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10058 available at: <https://www.bio-rad-antibodies.com/SDS/AHP1667>
10058

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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