

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-QTQHRNTSKKAAQ from the internal region of ABCB5 (NP_848654.3)
External Database Links	UniProt: Q2M3G0 Related reagents

Entrez Gene:[340273](#) ABCB5 [Related reagents](#)

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. ABCB5 is primarily expressed by skin progenitor cells and shown to act as a regulator of cell fusion and determinant of membrane potential. Studies have revealed the expression of ABCB5 in human malignant melanoma tumours, and in particular its association with CD133+ stem cell phenotype-expressing cells.
Western Blotting	AHP1667 detects a band of approximately 80kDa in A431 cell lysates
Further Reading	1. Moitra, K. <i>et al.</i> (2011) Molecular evolutionary analysis of ABCB5: the ancestral gene is a full transporter with potentially deleterious single nucleotide polymorphisms. PLoS One. 6: e16318.
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10058 available at: 10058: https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

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