Datasheet for ABIN686977

anti-ATP-Binding Cassette, Sub-Family B (MDR/TAP), Member 1B (ABCB1B) (AA 1051-1280) antibody

1 Publication

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Overview

Quantity:	100 µL
Target:	ATP-Binding Cassette, Sub-Family B (MDR/TAP), Member 1B (ABCB1B)
Binding Specificity:	AA 1051-1280
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	ELISA, Flow Cytometry (FACS), Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human MDR1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	ATP-Binding Cassette, Sub-Family B (MDR/TAP), Member 1B (ABCB1B)
Alternative Name:	MDR1 (ABCB1B Products)

Target Details

Background:	Synonyms: P-Glycoprotein, Multi Drug Resistance Associated Protein, ABCB1, ATP-binding cassette sub-family B MDR/TAP, member 1, ABC20, CD243, CD243 antigen, CLCS, Multidrug resistance protein 1, P glycoprotein 1, p-GP, gp170, P gp, PGY1. Background: P Glycoprotein, the product of the MDR1 gene, is expressed in distinct non-malignant cells, typically cells with secretory and excretory functions. It is assumed to function as an ATP-dependent drug efflux pump with broad substrate specificity. The highest expression of P Glycoprotein has been observed in kidney (proximal tubules), liver (bile canaliculi), adrenal gland and intestine, suggesting that the primary role of P Glycoprotein is in the normal secretion of physiological metabolites and ingested chemicals into bile, urine and the lumen of the intestinal tract. Elevated levels of P Glycoprotein have also been reported in multidrug-resistant cell lines and in colon, endometrial, ovarian, and breast tumors, as well as in sarcomas and leukemias / lymphomas.
Gene ID:	5243

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:	Mo, Pospichalova, Huang, Murphy, Payne, Wang, Kennedy, Cianciolo, Bryja, Pizzo, Bachelder: " Ascites Increases Expression/Function of Multidrug Resistance Proteins in Ovarian Cancer Cells." in: **PLoS ONE**, Vol. 10, Issue 7, pp. e0131579, (2015) (PubMed).