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Datasheet for ABIN873832

anti-ATP-Binding Cassette, Sub-Family B (MDR/TAP), Member 1B (ABCB1B) (AA 1051-1280) antibody (Alexa Fluor 647)

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:	Alexa Fluor 647
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (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)
Background:	Synonyms: P-Glycoprotein, Multi Drug Resistance Associated Protein, ABCB1, ATP-binding

Target Details

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: FCM 1:20-100
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: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % 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.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months