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Anti-ABCB1 / MDR1 / P Glycoprotein Antibody (clone 3B2)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS17849

Product Information

Application	IHC-P
Primary Accession	P08183
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Names	3B2
Calculated MW	141479
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	5243
Alias Symbol	ABCB1
Other Names	ABCB1, ABC20, Abcb1b, CLCS, Colchicin sensitivity, CD243, Doxorubicin resistance, IBD13, gp170, MDR1, Multidrug resistance protein 1, P glycoprotein, P-glycoprotein 1, P-GP, CD243 antigen, PGY1
Target/Specificity	Human ABCB1 / MDR1
Reconstitution & Storage	Protein A/G purified
Precautions	Anti-ABCB1 / MDR1 / P Glycoprotein Antibody (clone 3B2) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ABCB1 (HGNC:40)
Synonyms	MDR1, PGY1
Function	Translocates drugs and phospholipids across the membrane (PubMed:2897240, PubMed:35970996, PubMed:8898203, PubMed:9038218, PubMed:35507548). Catalyzes the flop of phospholipids from the cytoplasmic to the exoplasmic leaflet of the apical membrane. Participates mainly to the flop of phosphatidylcholine, phosphatidylethanolamine, beta-D-glucosylceramides and sphingomyelins (PubMed:8898203). Energy-dependent efflux pump responsible for decreased drug accumulation in multidrug-resistant cells (PubMed:2897240, PubMed:35970996, PubMed:9038218).

Cellular Location	Cell membrane; Multi-pass membrane protein {ECO:0000255|PROSITE-ProRule:PRU00441} Apical cell membrane. Cytoplasm Note=ABCB1 localization is influenced by C1orf115 expression levels (plasma membrane versus cytoplasm). Localized to the apical membrane of enterocytes (PubMed:28408210).
Tissue Location	Expressed in small intestine (PubMed:28408210). Expressed in liver, kidney and brain.