

KD-Validated Anti-ABCB1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1002

Product Information

Application	WB, ICC
Primary Accession	P08183
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB1330
Calculated MW	141479
Gene Name	ABCB1
Aliases	ABCB1; ATP Binding Cassette Subfamily B Member 1; PGY1; Multidrug Resistance Protein 1; CD243; GP170; ABC20; P-170; MDR1; ATP-Binding Cassette, Sub-Family B (MDR/TAP), Member 1; ATP-Dependent Translocase ABCB1; Phospholipid Transporter ABCB1; Colchicin Sensitivity; P-Glycoprotein 1; CLCS; P-GP; ATP-Binding Cassette Sub-Family B Member 1; Doxorubicin Resistance; P-Glycoprotein; CD243 Antigen; EC 3.6.3.44; EC 7.6.2.2; EC 7.6.2.1; EC 3.6.3; P-Gp
Immunogen	A synthesized peptide derived from human P Glycoprotein 1

Additional Information

Gene ID	5243
Other Names	ATP-dependent translocase ABCB1, ATP-binding cassette sub-family B member 1, Multidrug resistance protein 1, 7.6.2.2, P-glycoprotein 1, Phospholipid transporter ABCB1, 7.6.2.1, CD243, ABCB1 (HGNC:40), MDR1, PGY1

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.

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