

**Anti-ABCB1 / MDR1 / P Glycoprotein Antibody (clone 3B2)**  
**Mouse Anti Human Monoclonal Antibody**  
**Catalog # ALS17849**

**Specification**

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

Application	IHC-P
Primary Accession	<a href="#">P08183</a>
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Calculated MW	141479

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

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

**Name** ABCB1 ([HGNC:40](#))

**Synonyms** MDR1, PGY1

**Function**

Translocates drugs and phospholipids across the membrane (PubMed: [2897240](http://www.uniprot.org/citations/2897240), PubMed: [35970996](http://www.uniprot.org/citations/35970996), PubMed: [8898203](http://www.uniprot.org/citations/8898203), PubMed: [9038218](http://www.uniprot.org/citations/9038218)). 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: [a](#)

href="http://www.uniprot.org/citations/8898203" target="\_blank">8898203</a>). Energy-dependent efflux pump responsible for decreased drug accumulation in multidrug-resistant cells (PubMed:<a href="http://www.uniprot.org/citations/2897240" target="\_blank">2897240</a>, PubMed:<a href="http://www.uniprot.org/citations/35970996" target="\_blank">35970996</a>, PubMed:<a href="http://www.uniprot.org/citations/9038218" target="\_blank">9038218</a>).

**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.

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

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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