

ABCB1 / MDR1 / P Glycoprotein Antibody (clone 6H2)
Mouse Monoclonal Antibody
Catalog # ALS16577**Specification**

ABCB1 / MDR1 / P Glycoprotein Antibody (clone 6H2) - Product Information

Application	IHC, WB
Primary Accession	P08183
Other Accession	5243
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Calculated MW	141479

ABCB1 / MDR1 / P Glycoprotein Antibody (clone 6H2) - Additional Information**Gene ID** [5243](#)**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

PBS, pH 7.3, 1% BSA, 50% glycerol, 0.02% sodium azide. Store at -20°C. Minimize freezing and thawing.

Precautions

ABCB1 / MDR1 / P Glycoprotein Antibody (clone 6H2) is for research use only and not for use in diagnostic or therapeutic procedures.

ABCB1 / MDR1 / P Glycoprotein Antibody (clone 6H2) - Protein Information**Name** ABCB1 ([HGNC:40](#))**Synonyms** MDR1, PGY1**Function**

Translocates drugs and phospholipids across the membrane (PubMed:8898203, PubMed:2897240, PubMed:9038218, PubMed:35970996). 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:9038218, PubMed:35970996).

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.

Volume

250 µl

ABCB1 / MDR1 / P Glycoprotein Antibody (clone 6H2) - Protocols

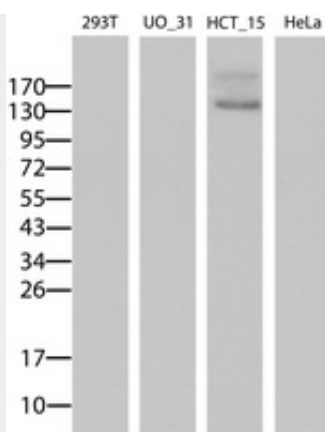
Provided below are standard protocols that you may find useful for product applications.

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

ABCB1 / MDR1 / P Glycoprotein Antibody (clone 6H2) - Images



Anti-ABCB1 / MDR1 / P Glycoprotein antibody IHC staining of human vessel.



Western blot of extracts (15 ug) from 4 different cell lines by using anti-ABCB1 monoclonal...

ABCB1 / MDR1 / P Glycoprotein Antibody (clone 6H2) - Background

Energy-dependent efflux pump responsible for decreased drug accumulation in multidrug-resistant cells.

ABCB1 / MDR1 / P Glycoprotein Antibody (clone 6H2) - References

- Chen C.-J.,et al.Cell 47:381-389(1986).
Chen C.-J.,et al.J. Biol. Chem. 265:506-514(1990).
Chen G.,et al.J. Biol. Chem. 272:5974-5982(1997).
Jiang Y.,et al.Submitted (JUN-2008) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).