

ABCB1 / MDR1 / P Glycoprotein Antibody (Cytoplasmic Domain)
Rabbit Polyclonal Antibody
Catalog # ALS11105**Specification****ABCB1 / MDR1 / P Glycoprotein Antibody (Cytoplasmic Domain) - Product Information**

Application	IHC
Primary Accession	P08183
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	141kDa KDa

ABCB1 / MDR1 / P Glycoprotein Antibody (Cytoplasmic Domain) - Additional Information**Gene ID** 5243**Other Names**

Multidrug resistance protein 1, 3.6.3.44, ATP-binding cassette sub-family B member 1, P-glycoprotein 1, CD243, ABCB1, MDR1, PGY1

Target/Specificity

Human ABCB1 / MDR1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

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

ABCB1 / MDR1 / P Glycoprotein Antibody (Cytoplasmic Domain) - 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.

Volume

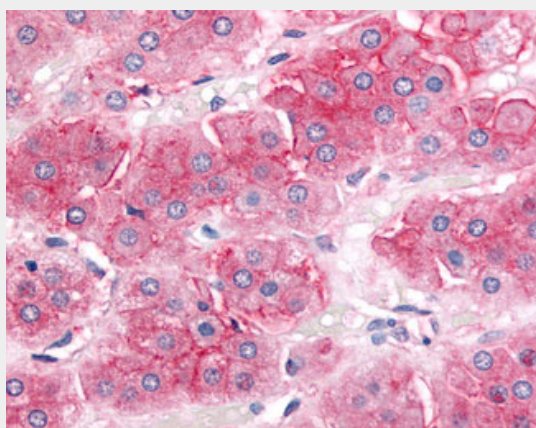
100 µl

ABCB1 / MDR1 / P Glycoprotein Antibody (Cytoplasmic Domain) - 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 (Cytoplasmic Domain) - Images



Anti-ABCB1 / MDR1 antibody ALS11105 IHC of human adrenal, cortex.

ABCB1 / MDR1 / P Glycoprotein Antibody (Cytoplasmic Domain) - Background

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

ABCB1 / MDR1 / P Glycoprotein Antibody (Cytoplasmic Domain) - 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).