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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). 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.

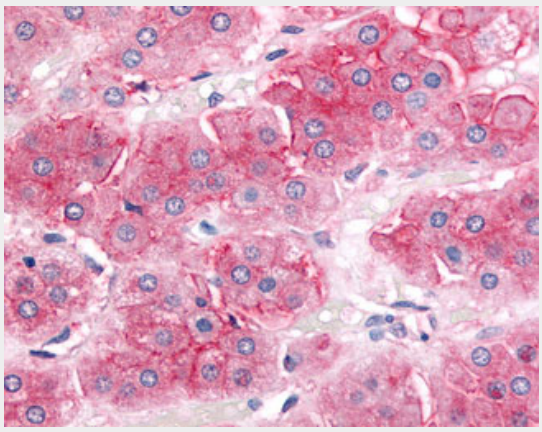
Volume
100 µl

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 Cytomety
- 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

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Chen C.-J.,et al.J. Biol. Chem. 265:506-514(1990).
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Ota T.,et al.Nat. Genet. 36:40-45(2004).