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# P Glycoprotein Rabbit mAb

Catalog # AP75845

## Product Information

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|---|---|
| **Application** | WB, IHC-P |
| **Primary Accession** | P08183 |
| **Reactivity** | Human |
| **Host** | Rabbit |
| **Clonality** | Monoclonal Antibody |
| **Isotype** | IgG |
| **Conjugate** | Unconjugated |
| **Purification** | Affinity Purified |
| **Calculated MW** | 141479 |

## Additional Information

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| **Gene ID** | 5243 |
| **Other Names** | ABCB1 |
| **Dilution** | WB~~1:1000-1:50000 IHC-P~~N/A |
| **Format** | 1xPBS(pH 7.4), 150mM NaCl, 50% Glycerol, 0.02% Sodium azide and 0.05% BSA |
| **Storage** | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

## Protein Information

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| **Name** | ABCB1 ( HGNC:40) |
| **Synonyms** | MDR1, PGY1 |
| **Function** | Translocates phospholipids and drugs 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). May contribute to hepatobiliary and renal excretion of etiocholanolone-3-glucuronate. Appears to have very low activity toward testosterone, androsterone and dihydrotestosterone glucuronates. |
| **Cellular Location** | Cell membrane; Multi-pass membrane protein |

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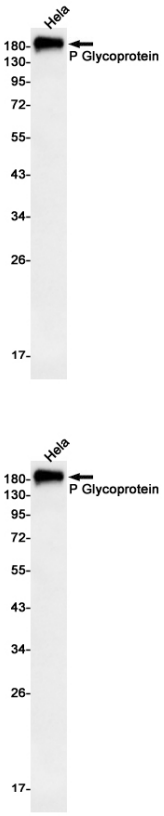
| | {ECO:0000255\|PROSITE-ProRule:PRU00441} Apical cell membrane. Cytoplasm Note=ABCB1 localization is influenced by C1orf115 expression levels (plasma membrane versus cytoplasm). Localized to the apical membrane of enterocytes (PubMed:28408210). |
| **Tissue Location** | Expressed in small intestine (PubMed:28408210). Expressed in liver, kidney and brain. |

## Background

The protein encoded by this gene is a subunit of a disulfide-linked homotrimeric protein. This protein is an adhesive glycoprotein that mediates cell-to-cell and cell-to-matrix interactions. This protein can bind to fibrinogen, fibronectin, laminin, type V collagen and integrins alpha-V/beta-1. This protein has been shown to play roles in platelet aggregation, angiogenesis, and tumorigenesis. [provided by RefSeq, Jul 2008]

## Images







Western blot analysis of P Glycoprotein in Hela lysates using P Glycoprotein antibody.

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