

Rabbit anti-Human P Glycoprotein Monoclonal Antibody | anti-ABCB1 antibody

P Glycoprotein Rabbit mAb

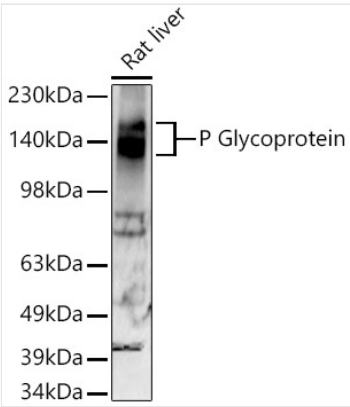
CATALOG # AAA282678	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

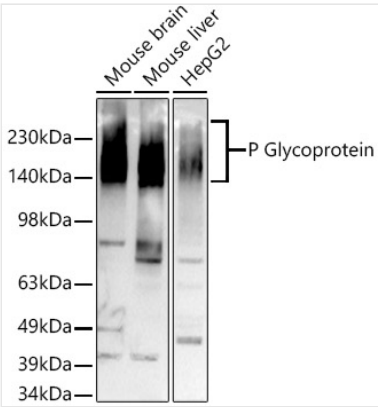
P Glycoprotein; Monoclonal Antibody; P Glycoprotein Rabbit mAb; CLCS; MDR1; P-GP; PGY1; ABC20; CD243; GP170; p-170; anti-ABCB1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	EFRNVHFSYP SRKEVKILKG LNLKVQSGQT VALVGNSGCG KSTTVQLMQR LYDPTEGMVS VDGQDIRTIN VRFLREIIGV VSQEPVLFAT TIAENIRYGR ENVTMDEIEK AVKEANAYDF IMKLPHKFDT LVGERGAQLS GGQKQRIAIA RALVRNPKIL LLEATSALD TESEAVVQVA LDKARKGRTT IVIAHRLSTV RNADVIAGFD DGVIVEKGNH DELMKEKGIY FKLVTMQTAG NEVELENAAD ESKSEIDALE MSSNDSRSSL IRKRSTRRSV RGSQAQDRKL STKEALDESI PPVSFWRIMK LNLTEWPY
Applicable Applications for anti-ABCB1 antibody	ELISA, WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 393-710 of human P Glycoprotein (P08183).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.



WB (Western Blot)
Western blot analysis of lysates from Rat liver, using P Glycoprotein Rabbit mAb (AAA282678) at 1:500 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Enhanced Kit (RM00021).Exposure time: 90s.



WB (Western Blot)
Western blot analysis of various lysates using P Glycoprotein Rabbit mAb (AAA282678) at 1:500 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 180s.

ADDITIONAL INFORMATION

Related Product Information for anti-ABCB1 antibody	The membrane-associated protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance. The protein encoded by this gene is an ATP-dependent drug efflux pump for xenobiotic compounds with broad substrate specificity. It is responsible for decreased drug accumulation in multidrug-resistant cells and often mediates the development of resistance to anticancer drugs. This protein also functions as a transporter in the blood-brain barrier. Mutations in this gene are associated with colchicine resistance and Inflammatory bowel disease 13. Alternative splicing and the use of alternative promoters results in multiple transcript variants.
Product Categories/Family for anti-ABCB1 antibody	Cancer; Signal Transduction; Endocrine Metabolism; Immunology Inflammation; CD _s ; Stem Cells; Hematopoietic Progenitors; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	42741659
NCBI GeneID	5243
NCBI Accession #	NP_000918.2
NCBI GenBank Nucleotide #	NM_000927.4
UniProt Accession #	P08183; Q12755; Q14812; A8K294
Molecular Weight	Calculated MW: 141kDa Observed MW: 130-180kDa
UniProt Protein Name	Multidrug resistance protein 1
UniProt Gene Name	ABCB1
UniProt Synonym Gene Names	MDR1; PGY1
UniProt Entry Name	MDR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.