

Rabbit anti-Human MDR1/ABCB1 Polyclonal Antibody | anti-MDR1/ABCB1 antibody

Rabbit anti-MDR1/ABCB1 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212240	Rabbit	Human	Immunoprecipitation, Western Blot

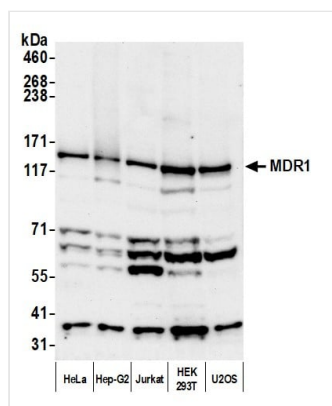
PRODUCT SYNONYMS

MDR1/ABCB1; Polyclonal Antibody; Rabbit anti-MDR1/ABCB1 Antibody; Affinity Purified; GP170; ABC20; P-GP; P-glycoprotein 1; P glycoprotein; multidrug resistance protein 1; MDR1; doxorubicin resistance; colchicin sensitivity; CLCS; CD243; CD antigen CD243; ATP-binding cassette sub-family B member 1; PGY1; ATP-binding cassette; sub-family B (MDR/TAP); member 1; Multidrug resistance protein 1; ATP binding cassette subfamily B member 1; anti-MDR1/ABCB1 antibody

PRODUCT SPECIFICATIONS

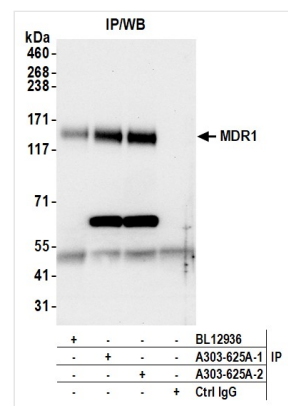
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-MDR1/ABCB1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 1 and 50
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human MDR1 by western blot. Samples: Whole cell lysate (25 ug) from HeLa, Hep-G2, Jurkat, HEK293T, and U2OS cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-MDR1 antibody (AAA212240 lot 2) used for WB at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IP (Immunoprecipitation)

Detection of human MDR1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from Hep-G2 cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-MDR1 antibody (AAA212240 lot 2) used for IP at 6 ug per reaction. MDR1 was also immunoprecipitated by a previous lot of this antibody (AAA212240 lot 1) and a second antibody against a different epitope of MDR1 (BL12936). For blotting immunoprecipitated MDR1, AAA212240 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-MDR1/ABCB1 antibody	Multidrug resistance protein 1 (MDR1) 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, and White). MDR1 is a member of the MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance. MDR1 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. MDR1 also functions as a transporter in the blood-brain barrier [taken from NCBI Entrez Gene (Gene ID: 5243)].
Product Categories/Family for anti-MDR1/ABCB1 antibody	Primary 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	141kDa
NCBI Official Full Name	multidrug resistance protein 1
NCBI Official Synonym Full Names	ATP-binding cassette, sub-family B (MDR/TAP), member 1
NCBI Official Symbol	ABCB1
NCBI Official Synonym Symbols	CLCS; MDR1; P-GP; PGY1; ABC20; CD243; GP170
NCBI Protein Information	multidrug resistance protein 1; P-glycoprotein 1; colchicin sensitivity; doxorubicin resistance
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mdr1-abcb1-antibody-immunoprecipitation-western-blot-elisa/212240>