

Rabbit anti-Human Multidrug resistance protein 1 Polyclonal Antibody | anti-ABCB1 antibody

Rabbit anti-human Multidrug resistance protein 1 polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA230311	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

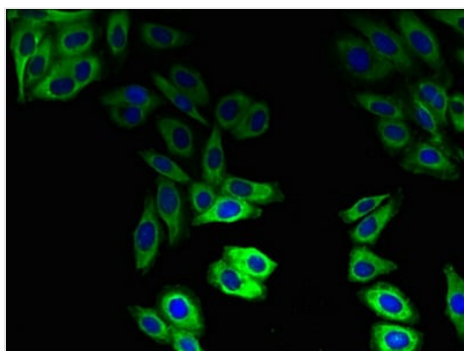
PRODUCT SYNONYMS

Multidrug resistance protein 1; Polyclonal Antibody; Rabbit anti-human Multidrug resistance protein 1 polyclonal Antibody; Multidrug resistance protein 1 protein; ATP-binding cassette sub-family B member 1; P-glycoprotein 1; CD_antigen=CD243; ABCB1; MDR1; PGY1; anti-ABCB1 antibody

PRODUCT SPECIFICATIONS

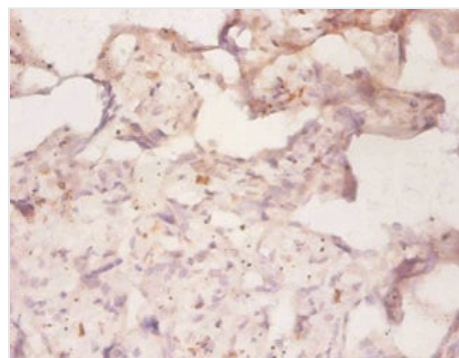
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	1280
Applicable Applications for anti-ABCB1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human Multidrug resistance protein 1 protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-1517 / sc-55510 / sc-8313
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



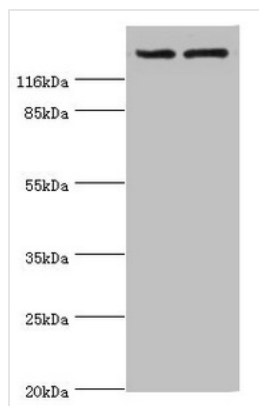
IHC (Immunohistochemistry)

Immunofluorescent analysis of HepG2 cells using AAA230311 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human placenta using AAA230311 at dilution of 1:50



WB (Western Blot)

Western blotAll lanes: Multidrug resistance protein 1 antibody at 2ug/mL
Lane 1:HepG2 whole cell lysate
Lane 2:EC109 whole cell lysate
SecondaryGoat polyclonal to rabbit at 1/10000 dilution
Predicted band size: 142,135kDa
Observed band size: 140 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ABCB1 antibody	Energy-dependent efflux pump responsible for decreased drug accumulation in multidrug-resistant cells. 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. This protein 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.
Product Categories/Family for anti-ABCB1 antibody	Transport

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; B5AK60
Molecular Weight	134,032 Da
NCBI Official Full Name	multidrug resistance protein 1
NCBI Official Synonym Full Names	ATP binding cassette subfamily B 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
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/multidrug-resistance-protein-1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/230311>