

Rabbit P Glycoprotein 1 (MDR1) Polyclonal Antibody | anti-MDR1 antibody

P Glycoprotein 1 (MDR1) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321854	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

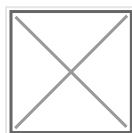
PRODUCT SYNONYMS

P Glycoprotein 1 (MDR1); Polyclonal Antibody; P Glycoprotein 1 (MDR1) Antibody; ABC20; ABCB1; ATP binding cassette; sub family B (MDR/TAP); member 1; ATP-binding cassette sub-family B member 1; CD243; CLCS; Colchicin sensitivity; Doxorubicin resistance; GP170; MDR1; MDR1_HUMAN; Multidrug resistance 1; Multidrug resistance protein 1; P glycoprotein 1; P gp; P-glycoprotein 1; PGY1; anti-MDR1 antibody

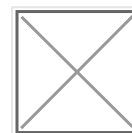
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	P Glycoprotein 1(MDR1) antibody detects endogenous levels of total P Glycoprotein 1(MDR1)
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1280
Applicable Applications for anti-MDR1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human P Glycoprotein 1(MDR1)
Subcellular Location	Membrane.
Tissue Specificity	Expressed in liver, kidney, small intestine and brain.
Predicted Cross Reactivity	Pig, Horse, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (92%), Horse (83%), Rabbit (100%), Dog (100%), Chicken (83%), Xenopus (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES


WB (Western Blot)

Western blot analysis of MDR1 using HT-29 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.


IHC (Immunohistochemistry)

AAA321854 for IHC in human brain tissue

ADDITIONAL INFORMATION

Related Product Information for anti-MDR1 antibody	Description: A chronic, relapsing inflammation of the gastrointestinal tract with a complex etiology. It is subdivided into Crohn disease and ulcerative colitis phenotypes. Crohn disease may affect any part of the gastrointestinal tract from the mouth to the anus, but most frequently it involves the terminal ileum and colon. Function: Energy-dependent efflux pump responsible for decreased drug accumulation in multidrug-resistant cells. Subunit Structure: Interacts with PSMB5. Finds in a complex with ABCB1, TFPI2 and PPP2R3C; leading to the dephosphorylation of ABCB1. Similarity: Belongs to the ABC transporter superfamily. ABCB family. Multidrug resistance exporter (TC 3.A.1.201) subfamily.
References	Shao Q, Zhang P, Ma Y, Lu Z, Meng J, Li H, Wang X, Chen D, Zhang M, Han Y, Liu H, Ma S; Journal: Gene. MicroRNA-139-5p affects cisplatin sensitivity in human nasopharyngeal carcinoma cells by regulating the epithelial-to-mesenchymal transition. Liu Y, Tang J, Liu D, Zhang L, He Y, Li J, Gao L, Tang D, Jin X, Kong D; Journal: Cell Death Dis. Increased autophagy in EOC re-ascites cells can inhibit cell death and promote drug resistance. Zhou H, Lin C, Zhang Y, Zhang X, Zhang C, Zhang P, Xie X, Ren Z; Journal: Cell Prolif. miR-506 enhances the sensitivity of human colorectal cancer cells to oxaliplatin by suppressing MDR1/P-gp expression. Xiang Y, Ye W, Huang C, Yu D, Chen H, Deng T, Zhang F, Lou B, Zhang J, Shi K, Chen B, Zhou M; Journal: Oxid Med Cell Longev. Brusatol Enhances the Chemotherapy Efficacy of Gemcitabine in Pancreatic Cancer via the Nrf2 Signalling Pathway.

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	Observed: 141 kDa Predicted: 142 kDa
NCBI Official Full Name	multidrug resistance protein 1 isoform 2
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

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/p-glycoprotein-1-mdr1-antibody-immunohistochemistry-western-blot-elisa/321854>