

P Glycoprotein Polyclonal Antibody | anti-ABCB1 antibody

Anti-P Glycoprotein Antibody

CATALOG # AAA46519	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry
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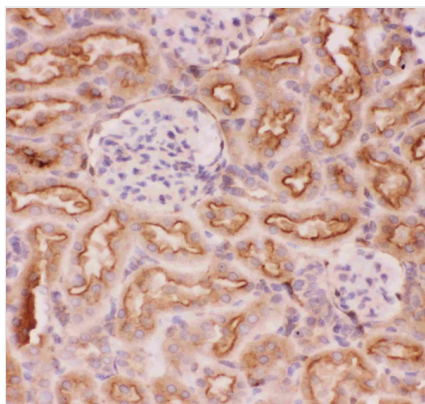
PRODUCT SYNONYMS

P Glycoprotein; Polyclonal Antibody; Anti-P Glycoprotein Antibody; Multidrug resistance protein 1; 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; P glycoprotein 1; P gp; P-glycoprotein 1; PGY1; ATP-binding cassette; sub-family B (MDR/TAP); anti-ABCB1 antibody

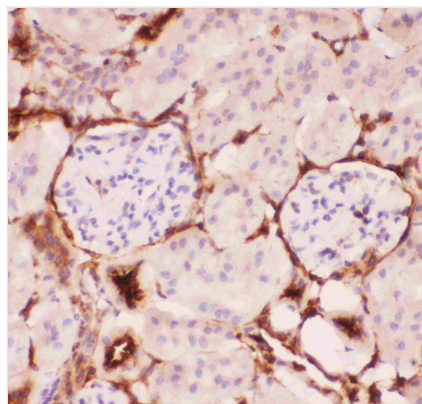
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Sequence Length	1280
Applicable Applications for anti-ABCB1 antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human P Glycoprotein(621-650aa IYFKLVMTQTAGNEVELENADESKSEIDA), different from the related rat sequence by twelve amino acids.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

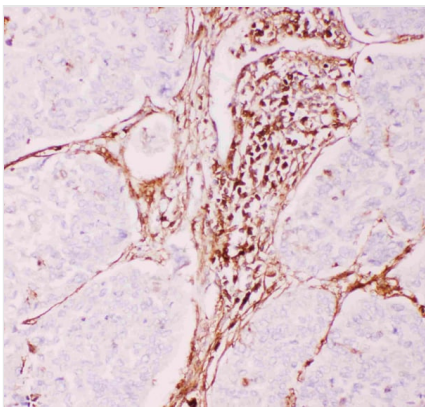
IMAGES



IHC (Immunohistochemistry)
Anti-P Glycoprotein Picoband antibody, -5.JPGIHC(P): Rat Kidney Tissue

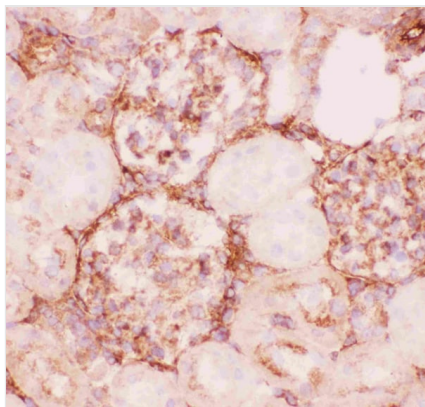


IHC (Immunohistochemistry)
Anti-P Glycoprotein Picoband antibody, -4.JPGIHC(P): Mouse Kidney Tissue



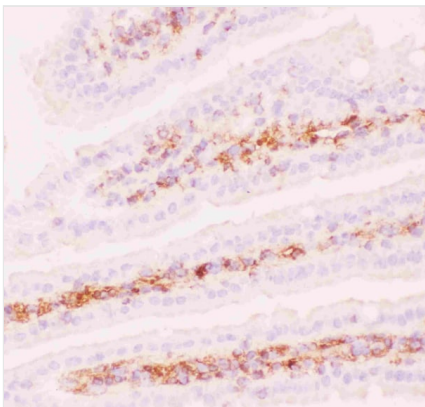
IHC (Immunohistochemistry)

Anti-P Glycoprotein Picoband antibody, -3.JPGIHC(P): Human Lung Cancer Tissue



IHC (Immunohistochemistry)

Anti-P Glycoprotein Picoband antibody, -2.JPGIHC(F): Rat Kidney Tissue



IHC (Immunohistochemistry)

Anti-P Glycoprotein Picoband antibody, -1.JPGIHC(F): Mouse Intestine Tissue

ADDITIONAL INFORMATION

Related Product Information for anti-ABCB1 antibody	Description: Rabbit IgG polyclonal antibody for Multidrug resistance protein 1(ABCB1) detection. Tested with IHC-P, IHC-F in Human;Mouse;Rat.
	Background: P-GP, also called ABCB1 or PGY1, is a glycoprotein that in humans is encoded by the ABCB1 gene. It is mapped to 7q21.12. P-GP is a well-characterized ABC-transporter (which transports a wide variety of substrates across extra- and intracellular membranes) of the MDR/TAP subfamily. It is an important protein of the cell membrane that pumps many foreign substances out of cells. More formally, it is an ATP-dependent drug efflux pump with broad substrate specificity. P-GP 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 bloodbrain barrier.
References	1. Aller SG, Yu J, Ward A, Weng Y, Chittaboina S, Zhuo R, Harrell PM, Trinh YT, Zhang Q, Urbatsch IL, Chang G (March 2009). 2. Ueda K, Clark DP, Chen CJ, Roninson IB, Gottesman MM, Pastan I (January 1987). "The human multidrug resistance (mdr1) gene. cDNA cloning and transcription initiation". J. Biol. Chem. 262 (2): 505-8.

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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