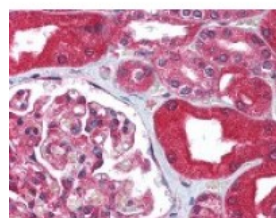




ABCB1 Antibody

CATALOG NUMBER: 48-673



Immunohistochemistry staining of ABCB1
in kidney tissue using ABCB1 Antibody.

Specifications

SPECIES REACTIVITY:	Dog, Human, Monkey, Mouse, Rat
TESTED APPLICATIONS:	ELISA, IHC, WB
APPLICATIONS:	ABCB1 antibody can be used in Western Blot, and immunohistochemistry starting at 2.5 ug/mL.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
IMMUNOGEN:	ABCB1 antibody was raised against amino acids 262 - 277 of ABCB1 (Human).
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Immunoaffinity Chromatography
PHYSICAL STATE:	Liquid
BUFFER:	0.02 M potassium phosphate, 0.15 M sodium chloride, pH 7.2, 0.01% sodium azide.
STORAGE CONDITIONS:	Store ABCB1 antibody at 4 °C or -20 °C. As with all antibodies avoid freeze/thaw cycles. Store undiluted.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	ABCB1, ABC20, Abcb1b, CLCS, Colchicin sensitivity, CD243, Doxorubicin resistance, IBD13, gp170, MDR1, Multidrug resistance protein 1, P glycoprotein, P-glycoprotein 1, P-GP, CD243 antigen, PGY1
ACCESSION NO.:	P08183
PROTEIN GI NO.:	238054374
OFFICIAL SYMBOL:	ABCB1
GENE ID:	5243

Background

BACKGROUND:	ATP-Binding Cassette Sub-Family B Member 1 (ABCB1, also named P-glycoprotein) is a plasma membrane-associated multidrug transporter that utilizes the energy of ATP hydrolysis to pump toxic xenobiotics out of cells. Unique features of ABCB1 are its very broad substrate specificity and its basal ATPase activity in the absence of
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transport substrates. Human ABCB1 plays an important role in absorption, distribution, metabolism, excretion and toxicity of pharmacologically relevant drugs. It is responsible for decreased drug accumulation in multidrug-resistant cells and often mediates the development of resistance to anti-cancer drugs. This protein also functions as a transporter across the blood-brain barrier.

FOR RESEARCH USE ONLY

December 13, 2016