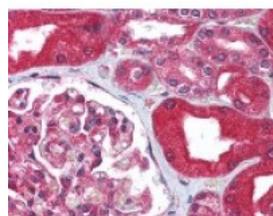




## ABCB1 Antibody

CATALOG NUMBER: 48-673



Immunohistochemistry staining of ABCB1 in kidney tissue using ABCB1 Antibody.

### Specifications

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

### Properties

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

### Additional Info

<b>ALTERNATE NAMES:</b>	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
<b>ACCESSION NO.:</b>	P08183
<b>PROTEIN GI NO.:</b>	238054374
<b>OFFICIAL SYMBOL:</b>	ABCB1
<b>GENE ID:</b>	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

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.

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**FOR RESEARCH USE ONLY**

December 13, 2016