

## Rabbit ABCB1 / MDR1 / P Glycoprotein Polyclonal Antibody | anti-ABCB1 antibody

Rabbit Polyclonal to Human ABCB1 / MDR1 / P Glycoprotein

|                              |                       |                                                     |                                                                  |
|------------------------------|-----------------------|-----------------------------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA50807</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Dog, Human, Monkey, Mouse, Rat</b> | APPLICATIONS<br><b>ELISA, Western Blot, Immunohistochemistry</b> |
|------------------------------|-----------------------|-----------------------------------------------------|------------------------------------------------------------------|

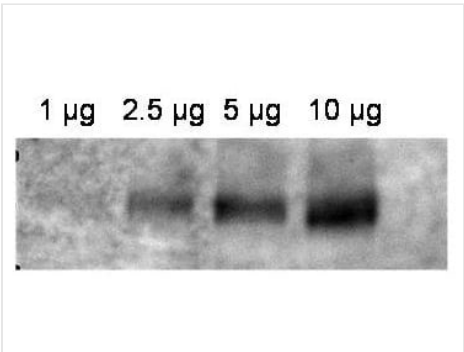
### PRODUCT SYNONYMS

ABCB1 / MDR1 / P Glycoprotein; Polyclonal Antibody; Rabbit Polyclonal to Human ABCB1 / MDR1 / P Glycoprotein; Anti-ABCB1 / MDR1 / P Glycoprotein Antibody (aa262-277) IHC-plus; 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; Human ABCB1; P Glycoprotein; anti-ABCB1 antibody

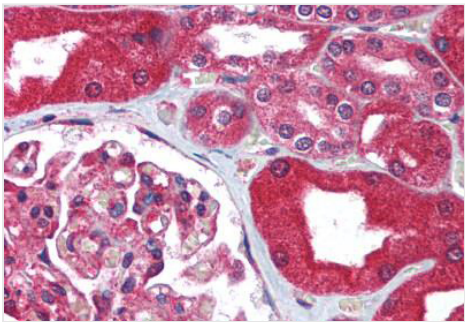
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                         |
| Reactivity                                      | Dog, Human, Monkey, Mouse, Rat                                                                                 |
| Clonality                                       | Polyclonal                                                                                                     |
| Specificity                                     | Amino acids 262-277 of human ABCB1 protein.                                                                    |
| Purity/Purification                             | Immunoaffinity Purified                                                                                        |
| Form/Format                                     | 0.02 M potassium phosphate, 0.15 M sodium chloride, pH 7.2, 0.01% sodium azide.                                |
| Concentration                                   | 1 mg/ml (varies by lot)                                                                                        |
| Sequence Length                                 | 1280                                                                                                           |
| Applicable Applications for anti-ABCB1 antibody | ELISA, WB (Western Blot), IHC (Immunohistochemistry)                                                           |
| Target Species                                  | Human                                                                                                          |
| Immunogen Description                           | Synthetic peptide from human ABCB1 / P Glycoprotein.                                                           |
| Immunogen Type                                  | Synthetic peptide                                                                                              |
| Immunogen                                       | ABCB1 / MDR1 / P Glycoprotein antibody was raised against synthetic peptide from human ABCB1 / P Glycoprotein. |
| Antigen Modification                            | aa262-277                                                                                                      |
| Preparation and Storage                         | Long term: -20 degree C; Short term: +4 degree C. Avoid repeat freeze-thaw cycles.                             |

IMAGES



**WB (Western Blot)**  
Anti-ABCB1 Antibody - Western Blot. Western blot of affinity purified anti-ABCB1 antibody shows detection of ABCB1 in crude membrane extracts from HF insect cells over-expressing human ABCB1. The extract was loaded onto a gel in the amounts indicated followed by electrophoresis and transfer to nitrocellulose. The membrane was probed with the primary antibody diluted to 1:600, followed by Peroxidase Conjugated Affinity Purified Anti-RABBIT IgG at 1:10000. Personal Communication, Anna Calcagno, CCR-NCI, Bethesda, MD.



**IHC (Immunohistochemistry)**  
Anti-MDR1 antibody IHC of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ABCB1 antibody | ABCB1/MDR1/P Glycoprotein is an ATP dependent transporter that mediates efflux of chemotherapeutic agents from the intracellular milieu. P Glycoprotein has also been associated with volume-regulated chloride channel activity and basal to apical transendothelial migration of mononuclear phagocytes. |
| Product Categories/Family for anti-ABCB1 antibody   | Family: <a href="#">Transporter</a> ; Subfamily: <a href="#">ATP-binding cassette - ABCB/MDR</a>                                                                                                                                                                                                           |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                            |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">42741659</a>                                                                                                   |
| NCBI GeneID                      | <a href="#">5243</a>                                                                                                       |
| NCBI Accession #                 | <a href="#">NP_000918.2</a>                                                                                                |
| NCBI GenBank Nucleotide #        | <a href="#">NM_000927.4</a>                                                                                                |
| UniProt Accession #              | <a href="#">P08183</a> ; <a href="#">Q12755</a> ; <a href="#">Q14812</a> ; <a href="#">A8K294</a> ; <a href="#">B5AK60</a> |
| Molecular Weight                 | 134,032 Da                                                                                                                 |
| NCBI Official Full Name          | multidrug resistance protein 1                                                                                             |
| NCBI Official Synonym Full Names | ATP-binding cassette, sub-family B (MDR/TAP), 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; P-glycoprotein 1; colchicin sensitivity; doxorubicin resistance                            |
| UniProt Protein Name             | Multidrug resistance protein 1                                                                                             |
| UniProt Gene Name                | <b>ABCB1</b>                                                                                                               |
| 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.

