

## ABCB1 recombinant antibody

ABCB1 Recombinant Monoclonal Antibody

| CATALOG # | HOST         | REACTIVITY | APPLICATIONS                                    |
|-----------|--------------|------------|-------------------------------------------------|
| AAA278994 | HEK293F Cell | Human      | Immunofluorescence, Immunohistochemistry, ELISA |

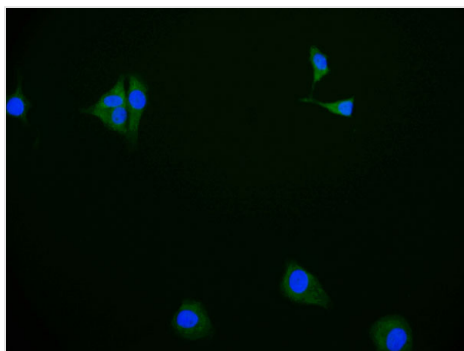
### PRODUCT SYNONYMS

ABCB1; Monoclonal Recombinant Antibody; ABCB1 Recombinant Monoclonal Antibody; Multidrug resistance protein 1 (EC 3.6.3.44)(ATP-binding cassette sub-family B member 1)(P-glycoprotein 1)(CD antigen CD243); MDR1 PGY1; ABCB1 recombinant antibody

### PRODUCT SPECIFICATIONS

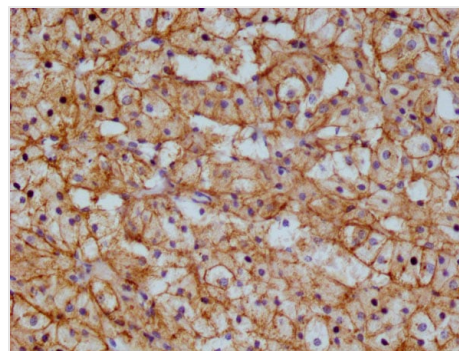
|                                                        |                                                                             |
|--------------------------------------------------------|-----------------------------------------------------------------------------|
| Host                                                   | HEK293F Cell                                                                |
| Reactivity                                             | Human                                                                       |
| Clonality                                              | Monoclonal                                                                  |
| Isotype                                                | Rabbit IgG                                                                  |
| Clone Number                                           | 11H10                                                                       |
| Purity/Purification                                    | Affinity purified                                                           |
| Form/Format                                            | Liquid; PBS, 150mM NaCl, 0.02% sodium azide, 50% glycerol, pH 7.4.          |
| Applicable Applications for ABCB1 recombinant antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA                  |
| Immunogen Species                                      | Human                                                                       |
| Immunogen                                              | A synthesized peptide derived from Human ABCB1                              |
| Conjugation                                            | Non-conjugated                                                              |
| Research Area                                          | Cancer; Metabolism; Signal transduction; Stem cells                         |
| Preparation and Storage                                | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze. |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescence staining of HepG2 cell with AAA278994 at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 583-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



#### IHC (Immunohistochemistry)

IHC image of AAA278994 diluted at 1:100 and staining in paraffin-embedded human adrenal gland tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB.

ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for ABCB1 recombinant antibody | Translocates drugs and phospholipids across the membrane (PubMed:8898203, PubMed:2897240, PubMed:9038218). Catalyzes the flop of phospholipids from the cytoplasmic to the exoplasmic leaflet of the apical membrane. Participates mainly to the flop of phosphatidylcholine, phosphatidylethanolamine, beta-D-glucosylceramides and sphingomyelins (PubMed:8898203). Energy-dependent efflux pump responsible for decreased drug accumulation in multidrug-resistant cells (PubMed:2897240, PubMed:9038218). {ECO:0000269 PubMed:2897240, ECO:0000269 PubMed:8898203, ECO:0000269 PubMed:9038218}. |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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                                                                  |
| Molecular Weight                 | 141kDa                                                                                          |
| 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                | 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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Online datasheet: <https://stage.aaabiotech.com/monoclonal/abcb1-recombinant-antibody-clone-11h10-immunofluorescence-immunohistochemistry-elisa/278994>