

**Anti-P Glycoprotein ABCB1 Rabbit Monoclonal Antibody**  
Catalog # ABO14188**Specification****Anti-P Glycoprotein ABCB1 Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P08183</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-P Glycoprotein ABCB1 Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.

**Anti-P Glycoprotein ABCB1 Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 5243

**Other Names**

ATP-dependent translocase ABCB1, ATP-binding cassette sub-family B member 1, Multidrug resistance protein 1, 7.6.2.2, P-glycoprotein 1, Phospholipid transporter ABCB1, 7.6.2.1, CD243, ABCB1 ([HGNC:40](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=40)), MDR1, PGY1

**Calculated MW**

141479 MW KDa

**Application Details**

WB 1:500-1:2000<br>IHC 1:50-1:200

**Subcellular Localization**

Cell membrane ; Multi-pass membrane protein.

**Tissue Specificity**

Expressed in liver, kidney, small intestine and brain.

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human P Glycoprotein

**Purification**

Affinity-chromatography

Storage

**Store at -20°C for one year. For short term**

storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

## Anti-P Glycoprotein ABCB1 Rabbit Monoclonal Antibody - Protein Information

Name ABCB1 ([HGNC:40](#))

Synonyms MDR1, PGY1

### Function

Translocates drugs and phospholipids across the membrane (PubMed:<a href="http://www.uniprot.org/citations/2897240" target="\_blank">2897240</a>, PubMed:<a href="http://www.uniprot.org/citations/35970996" target="\_blank">35970996</a>, PubMed:<a href="http://www.uniprot.org/citations/8898203" target="\_blank">8898203</a>, PubMed:<a href="http://www.uniprot.org/citations/9038218" target="\_blank">9038218</a>). 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:<a href="http://www.uniprot.org/citations/8898203" target="\_blank">8898203</a>). Energy-dependent efflux pump responsible for decreased drug accumulation in multidrug-resistant cells (PubMed:<a href="http://www.uniprot.org/citations/2897240" target="\_blank">2897240</a>, PubMed:<a href="http://www.uniprot.org/citations/35970996" target="\_blank">35970996</a>, PubMed:<a href="http://www.uniprot.org/citations/9038218" target="\_blank">9038218</a>).

### Cellular Location

Cell membrane; Multi-pass membrane protein {ECO:0000255|PROSITE-ProRule:PRU00441} Apical cell membrane. Cytoplasm Note=ABCB1 localization is influenced by C1orf115 expression levels (plasma membrane versus cytoplasm). Localized to the apical membrane of enterocytes (PubMed:28408210).

### Tissue Location

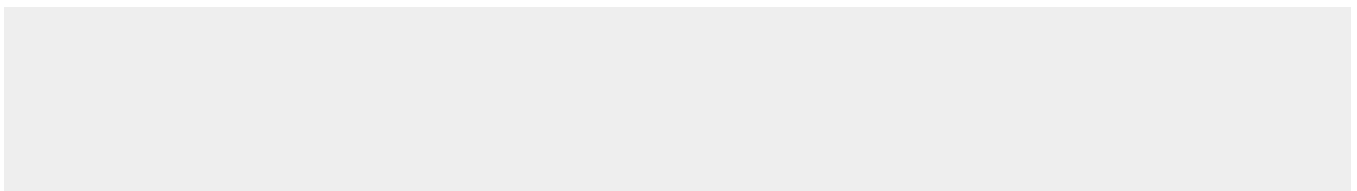
Expressed in small intestine (PubMed:28408210). Expressed in liver, kidney and brain.

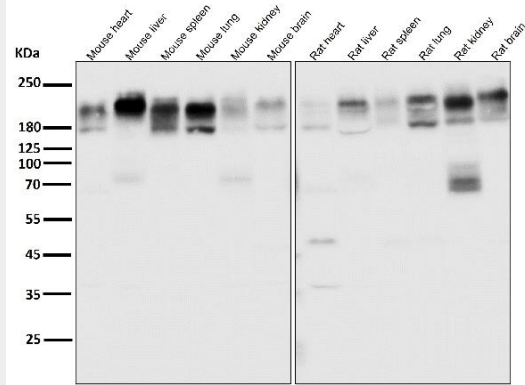
## Anti-P Glycoprotein ABCB1 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

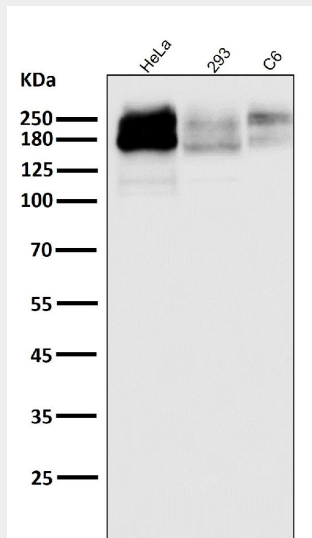
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-P Glycoprotein ABCB1 Rabbit Monoclonal Antibody - Images

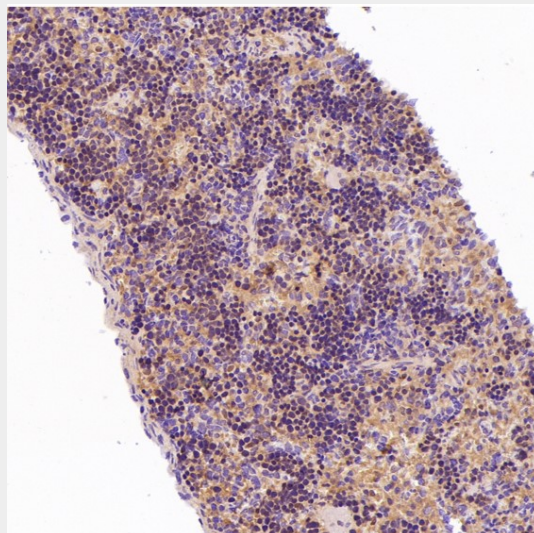




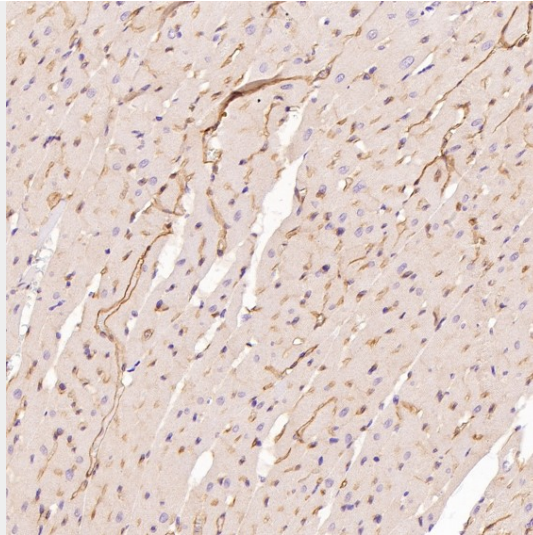
All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



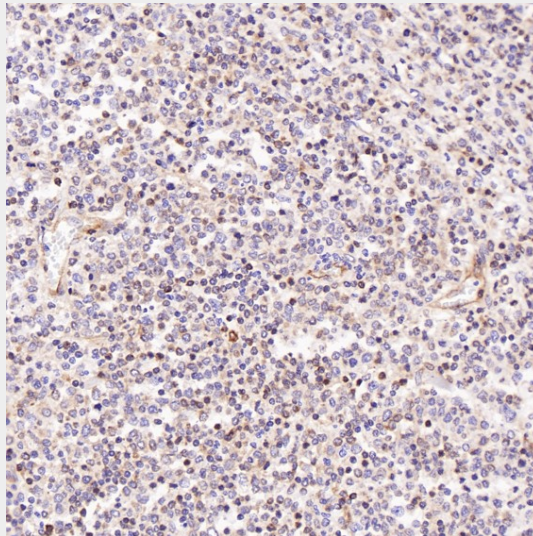
All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



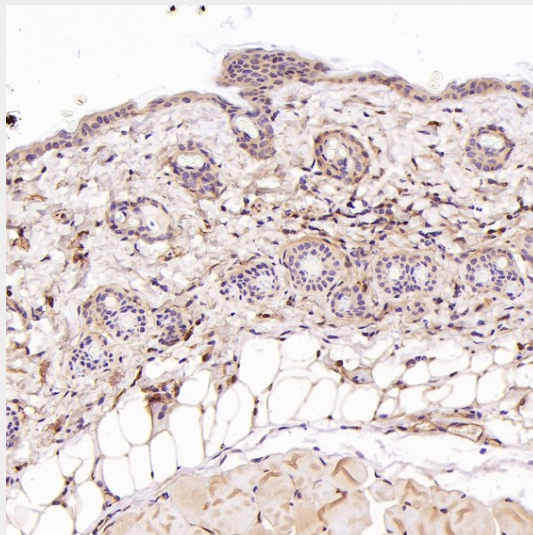
Immunohistochemical analysis of paraffin-embedded Rat spleen, using the Antibody at 1:1000 dilution.



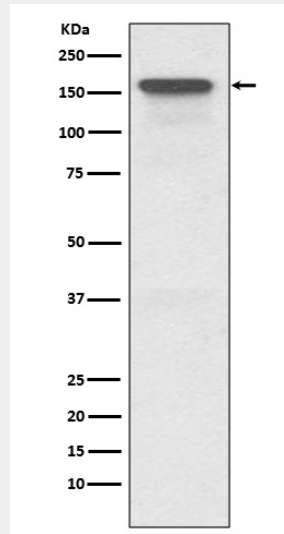
Immunohistochemical analysis of paraffin-embedded Rat heart, using the Antibody at 1:1000 dilution.



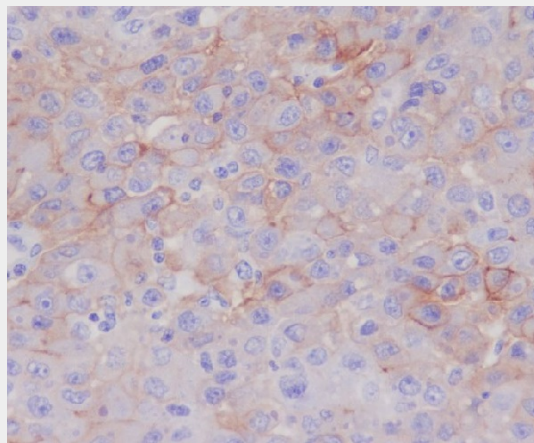
Immunohistochemical analysis of paraffin-embedded Human Hodgkin's lymphoma, using the Antibody at 1:2000 dilution.



Immunohistochemical analysis of paraffin-embedded Mouse skin, using the Antibody at 1:1000 dilution.



Western blot analysis of P Glycoprotein expression in HeLa cell lysate.



Immunohistochemical analysis of paraffin-embedded human liver, using P Glycoprotein Antibody.