

# ABCB7 rabbit monoclonal antibody

Catalog # H00000022-K

Size 100 ug x up to 3

## Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against a human ABCB7 peptide using ARM Technology.
<b>Immunogen</b>	A synthetic peptide of human ABCB7 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
<b>Host</b>	Rabbit
<b>Library Construction</b>	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
<b>Expression</b>	Overexpression vector and transfection into 293H cell line.
<b>Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Isotype</b>	IgG
<b>Quality Control Testing</b>	Antibody reactive against human ABCB7 peptide by ELISA and mammalian transfected lysate by Western Blot.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Deliverable</b>	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
<b>Note</b>	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — ABCB7

Entrez GeneID	<a href="#">22</a>
GeneBank Accession#	<a href="#">ABCB7</a>
Gene Name	ABCB7
Gene Alias	ABC7, ASAT, Atm1p, EST140535
Gene Description	ATP-binding cassette, sub-family B (MDR/TAP), member 7
Omim ID	<a href="#">300135</a> <a href="#">301310</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	The membrane-associated protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance as well as antigen presentation. This gene encodes a half-transporter involved in the transport of heme from the mitochondria to the cytosol. With iron/sulfur cluster precursors as its substrates, this protein may play a role in metal homeostasis. Mutations in this gene have been implicated in X-linked sideroblastic anemia with ataxia. [provided by RefSeq]
Other Designations	ATP-binding cassette 7 ATP-binding cassette, sub-family B, member 7 OTTHUMP00000023578

## Pathway

- [ABC transporters](#)