



# Rabbit Anti-Human ABCB8 Polyclonal Antibody (CABT-L2278)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal Antibody to ATP Binding Cassette Transporter B8 (Knockout Validated)
<b>Specificity</b>	The antibody is a rabbit polyclonal antibody raised against ABCB8. It has been selected for its ability to recognize ABCB8 in immunohistochemical staining and western blotting.
<b>Target</b>	ABCB8
<b>Immunogen</b>	Recombinant fragment corresponding to human ABCB8 (Val472~Ser735)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	200 µg
<b>Buffer</b>	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
<b>Preservative</b>	0.05% Proclin-300

<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
<b>Ship</b>	4°C with ice bags

## BACKGROUND

<b>Introduction</b>	This nuclear gene encodes a multi-pass membrane protein that is targeted to the mitochondrial inner membrane. The encoded protein is an ATP-dependent transporter that may mediate the passage of organic and inorganic molecules out of the mitochondria. Loss of function of the related gene in mouse results in a disruption of iron homeostasis between the mitochondria and cytosol. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]
<b>Keywords</b>	ABC-B8;M-ABC1;MABC1;Mitochondrial ABC Protein;Mitochondrial ATP-binding cassette 1;ATP-binding cassette sub-family B member 8, mitochondrial

## GENE INFORMATION

<b>Gene Name</b>	ABCB8 ATP-binding cassette, sub-family B (MDR/TAP), member 8 [ Homo sapiens (human) ]
<b>Official Symbol</b>	ABCB8
<b>Synonyms</b>	ABCB8; ATP-binding cassette, sub-family B (MDR/TAP), member 8; MABC1; M-ABC1; EST328128; ATP-binding cassette sub-family B member 8, mitochondrial; mitochondrial ABC protein; mitochondrial ATP-binding cassette 1;
<b>Entrez Gene ID</b>	<a href="#">11194</a>
<b>Protein Refseq</b>	NP_001269220
<b>UniProt ID</b>	<a href="#">Q9NUT2</a>
<b>Chromosome Location</b>	7q36
<b>Pathway</b>	ABC transporters; ABC-family proteins mediated transport; Mitochondrial ABC transporters; Transmembrane transport of small molecules;
<b>Function</b>	ATP binding; ATPase activity, coupled to transmembrane movement of substances; transporter activity;