ABCB8 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ABCB8, Polyclonal Antibody
Full Product Name	ABCB8 Antibody
Product Gene Name	anti-ABCB8 antibody
Product Synonym Names	ATP-binding cassette sub-family B member 8; MABC1; M-ABC1; EST328128
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Specificity	The antibody detects endogenous level of total ABCB8 protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	718
OMIM	605464
3D Structure	ModBase 3D Structure for Q9NUT2
Immunogen	Fusion protein corresponding to a region derived from 394-693 amino acids of Human ATP-binding cassette sub-family B member 8
Product Categories/Family for anti-ABCB8 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ABCB8 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-ABCB8 antibody	ELISA: 1:2000-1:5000 WB: 1:500-1:2000 IHC: 1:25-1:100
Related Product Information for anti-ABCB8 antibody	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. The function of this half-transporter has not yet been determined; however, it may involve the compartmentalization and transport of heme, as well as peptides, from the mitochondria to the nucleus and cytosol. This protein may also play a role in the transport of phospholipids into mitochondrial membranes
Other Notes	Small volumes of anti-ABCB8 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ABCB8 purchase	MBS8586447 is an antibody targeting ABCB8. Also known as ABCB8 Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ABCB8. It may not necessarily be applicable to this product.

NCBI GI #	143811358
NCBI GeneID	11194
NCBI Accession #	Q9NUT2.3
UniProt Primary Accession #	Q9NUT2
UniProt Secondary Accession #	O95787; Q53GM0; A5D8W3; B2RBL8; B3KND2; B4DG02; G3XAP3
UniProt Related Accession #	Q9NUT2
NCBI Official Full Name	ATP-binding cassette sub-family B member 8, mitochondrial
NCBI Official Synonym Full Names	ATP-binding cassette, sub-family B (MDR/TAP), member 8
NCBI Official Symbol	ABCB8
NCBI Official Synonym Symbols	MABC1; M-ABC1; EST328128
UniProt Protein Name	ATP-binding cassette sub-family B member 8, mitochondrial
UniProt Synonym Protein Names	Mitochondrial ATP-binding cassette 1; M-ABC1
Protein Family	ATP-binding cassette sub-family
UniProt Gene Name	ABCB8
UniProt Synonym Gene Names	MABC1; M-ABC1
UniProt Entry Name	ABCB8_HUMAN
NCBI Protein Information	ATP-binding cassette sub-family B member 8, mitochondrial; mitochondrial ABC protein; mitochondrial ATP-binding cassette 1
NCBI Summary for ABCB8	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]
UniProt Comments for ABCB8	ABCB8: 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. The function of this half-transporter has not yet been determined; however, it may involve the compartmentalization and transport of heme, as well as peptides, from the mitochondria to the nucleus and cytosol. This protein may also play a role in the transport of phospholipids into mitochondrial membranes. [provided by RefSeq, Jul 2008] Protein type: Hydrolase; Transporter, ABC family; Membrane protein, integral; Mitochondrial; Transporter; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 7q36 Cellular Component: mitochondrial envelope; mitochondrion; membrane; mitochondrial inner membrane; integral to membrane; nucleolus; ATP-binding cassette (ABC) transporter complex; nucleus Molecular Function: transporter activity; ATPase activity, coupled to transmembrane movement of substances; ATP binding Biological Process: transport; metabolic process; transmembrane transport
Research Articles on ABCB8	**1.** Observational study of gene-disease association, gene-environment interaction, and pharmacogenomic / toxicogenomic. (HuGE Navigator)

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