ABCB1 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	ABCB1, Monoclonal Antibody
Full Product Name	Mouse Monoclonal Antibody to ABCB1
Product Gene Name	anti-ABCB1 antibody
Product Synonym Names	CLCS; MDR1; P-GP; PGY1; ABC20; CD243; GP170
Clonality	Monoclonal
Isotype	IgG1
Clone Number	6G11C12
Host	Mouse
Molecular Weight	141.5kDa
OMIM	171050
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ABCB1 antibody	Western Blot (WB)
Application Notes for anti-ABCB1 antibody	Western blot using Recombinant protein Western blot using Transfection expressed protein
Related Product Information for anti-ABCB1 antibody	MBS8527871 is an antibody targeting ABCB1. Also known as Mouse Monoclonal Antibody to ABCB1. Host: Mouse.
Other Notes	Small volumes of anti-ABCB1 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ABCB1. It may not necessarily be applicable to this product.

NCBI GI #	1355999971
NCBI GeneID	5243
NCBI Accession #	PRD39528.1
UniProt Secondary Accession #	Q12755; Q14812; A8K294; B5AK60
UniProt Related Accession #	P08183
NCBI Official Full Name	abcB1
NCBI Official Synonym Full Names	ATP binding cassette subfamily B member 1
NCBI Official Symbol	ABCB1
NCBI Official Synonym Symbols	CLCS; MDR1; P-GP; PGY1; ABC20; CD243; GP170
UniProt Protein Name	Multidrug resistance protein 1
UniProt Synonym Protein Names	ATP-binding cassette sub-family B member 1; P-glycoprotein 1; CD_antigen: CD243

Protein Family	ABC transporter B family
UniProt Gene Name	ABCB1
UniProt Synonym Gene Names	MDR1; PGY1
NCBI Protein Information	multidrug resistance protein 1
NCBI Summary for ABCB1	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. The protein encoded by this gene is an ATP-dependent drug efflux pump for xenobiotic compounds with broad substrate specificity. It is responsible for decreased drug accumulation in multidrug-resistant cells and often mediates the development of resistance to anticancer drugs. This protein also functions as a transporter in the blood-brain barrier. Mutations in this gene are associated with colchicine resistance and Inflammatory bowel disease 13. Alternative splicing and the use of alternative promoters results in multiple transcript variants. [provided by RefSeq, Feb 2017]
UniProt Comments for ABCB1	Energy-dependent efflux pump responsible for decreased drug accumulation in multidrug-resistant cells.
Research Articles on ABCB1	**1.** No statistically significant correlations for the other nine haplotypes were found. Presented results concerning the relationship of ABCB1 polymorphisms with susceptibility to systemic sclerosis are the first ones that were obtained in a Polish population. They imply that single nucleotide polymorphisms do not affect the risk for SSc, but the 1236 C-2677 G-3435 T haplotype might increase this risk.
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