SunLong Biotech Co.,LTD
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Mouse Anti-ABCB4 antibody

SLM-51673M

Product Name	ABCB4
Chinese Name	ATPBinding protein 家族 4 单克隆抗体
Alias	ABC 21; ABC B4; ABC21; ABCB 4; ATP binding cassette sub family B MDR/TAP member 4; ATP binding cassette sub family B member 4; ATP-binding cassette sub-family B member 4; MDR 3; MDR2; MDR2/3; MDR3; MDR3 P glycoprotein; MDR3 P gp; MDR3_HUMAN; Multidrug resistance protein 3; Multiple drug resistance 3; P glycoprotein 3; P-glycoprotein 3; PFIC 3; PFIC3; PGY 3; PGY3.
Research Area	Cell biology Epigenetics
Immunogen Species	Mouse
Clonality	Monoclonal
Clone NO.	Y5T3
React Species	Human,
Applications	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	142kDa
Cellular localization	The nucleus
Form	Liquid
Concentration	1mg/ml
immunogen	Recombinant human ABCB4.
Lsotype	IgG1,k
Purification	affinity purified by Protein G
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed PubMed

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 full transporter and member of the p-glycoprotein family of membrane proteins with phosphatidylcholine as its substrate. The function of this protein has not yet been determined; however, it may involve transport of phospholipids from liver hepatocytes into bile. Alternative splicing of this gene results in several products of undetermined function. [provided by RefSeq, Jul 2008]

Function:
Mediates ATP-dependent export of organic anions and drugs from the cytoplasm. Hydrolyzes ATP with low efficiency. Human MDR3 is not capable of conferring drug resistance. Mediates the translocation of phosphatidylcholine across the canalicular membrane of the hepatocyte.

Subcellular Location:
Cell membrane.

Product Detail

Tissue Specificity:
Highly expressed in brain, heart, kidney, stomach, testis and placenta.

Similarity:
Belongs to the ABC transporter superfamily. ABCB family.
Multidrug resistance exporter (TC 3.A.1.201) subfamily.
Contains 2 ABC transmembrane type-1 domains.
Contains 2 ABC transporter domains.

SWISS:
P21439

Gene ID:
5244

Database links:

Entrez Gene: 5244 Human

SwissProt: P21439 Human

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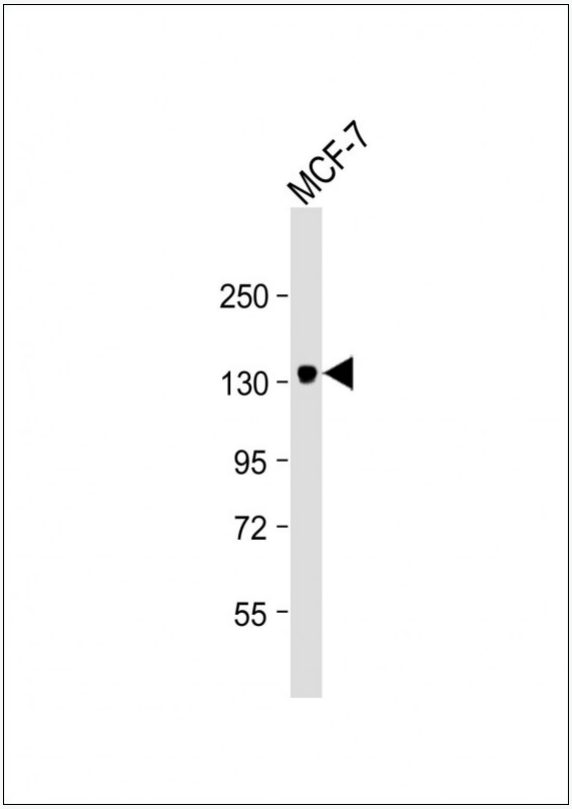
Product Picture



Sample:

Lane 1: MCF-7 cell lysates

Primary: Anti-ABCB4 (SLM-51673M) at 1/4000 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 142 kD

Observed band size: 142 kD