

Rabbit anti-Human, mouse ABCB4 Polyclonal Antibody | anti-ABCB4 antibody

ABCB4 Antibody (Center)

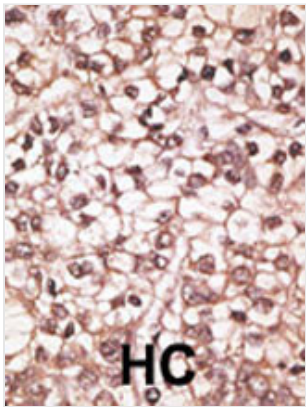
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290064	Rabbit	Human, mouse	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

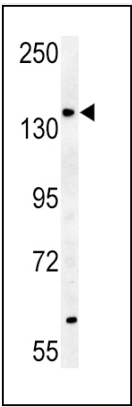
ABCB4; Polyclonal Antibody; ABCB4 Antibody (Center); Multidrug resistance protein 3; ATP-binding cassette sub-family B member 4; P-glycoprotein 3; MDR3; PGY3; anti-ABCB4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ABCB4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 624-654 amino acids from the Central region of human ABCB4.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	624-654
Sequence Length	1,232
Applicable Applications for anti-ABCB4 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
ABCB4-S639 western blot analysis in mouse heart tissue lysates (35ug/lane). This demonstrates the ABCB4 antibody detected ABCB4 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-ABCB4 antibody	The membrane-associated protein encoded ABCB4 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.
Product Categories/Family for anti-ABCB4 antibody	Metabolism; Signal Transduction
References	Eloranta, M.L., et al., Eur J Obstet Gynecol Reprod Biol 105(2):132-135 (2002). Eloranta, M.L., et al., Eur J Obstet Gynecol Reprod Biol 104(2):109-112 (2002). Jacquemin, E., Semin. Liver Dis. 21(4):551-562 (2001). Smit, J.J., et al., Biochim. Biophys. Acta 1261(1):44-56 (1995). Ruetz, S., et al., Cell 77(7):1071-1081 (1994).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505771
NCBI GeneID	5244
NCBI Accession #	NP_000434.1; NP_061337.1; NP_061338.1
NCBI GenBank Nucleotide #	NM_000443.3
UniProt Accession #	P21439; Q14813; A0A2V7; A4D1D3; A4D1D4; A4D1D5; D6W5P3; D6W5P4
Molecular Weight	141523
NCBI Official Full Name	multidrug resistance protein 3 isoform A
NCBI Official Synonym Full Names	ATP-binding cassette, sub-family B (MDR/TAP), member 4
NCBI Official Symbol	ABCB4
NCBI Official Synonym Symbols	GBD1; ICP3; MDR2; MDR3; PGY3; ABC21; MDR2/3; PFIC-3
NCBI Protein Information	multidrug resistance protein 3

UniProt Protein Name	Multidrug resistance protein 3
UniProt Gene Name	ABCB4
UniProt Synonym Gene Names	MDR3; PGY3
UniProt Entry Name	MDR3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/abcb4-antibody-immunohistochemistry-western-blot-elisa/290064>