

Rabbit ABCB10 Polyclonal Antibody | anti-ABCB10 antibody

Anti-ABCB10 Antibody

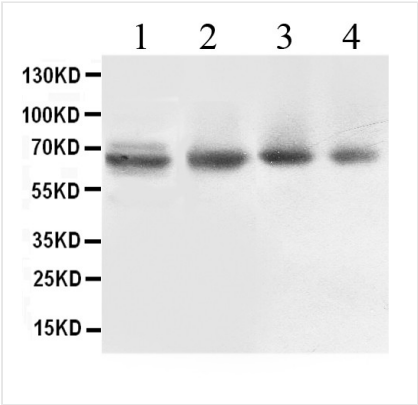
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46630	Rabbit	Human, Rat No cross reactivity with other proteins.	Western Blot

PRODUCT SYNONYMS

ABCB10; Polyclonal Antibody; Anti-ABCB10 Antibody; ABC transporter 10 protein; EST20237; M ABC2; M-ABC2; MTABC2; Q9NRK6; ATP-binding cassette subfamily B member 10; mitochondrial; ATP binding cassette subfamily B member 10; anti-ABCB10 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	738
Applicable Applications for anti-ABCB10 antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human ABCB10 (640-678aa QRIAIARALLKNPKILLLDEATSALDAENEYLVQEALDR), different from the related mouse sequence by one amino acid.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



WB (Western Blot)
Western blot analysis of ABCB10 expression in rat cardiac muscle extract (lane 1), COLO320 whole cell lysates (lane 2), 22RV1 whole cell lysates (lane 3) and PANC whole cell lysates (lane 4). ABCB10 at 79KD, 65KD was detected using rabbit anti- ABCB10 Antigen Affinity purified polyclonal antibody at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-ABCB10 antibody	Rabbit IgG polyclonal antibody for ATP-binding cassette sub-family B member 10, mitochondrial (ABCB10) detection. Background: ABCB10, also known as M-ABC2, is expressed as a 60-kD nonglycosylated mitochondrial membrane protein. This ABCB10 gene is mapped to 1q42.13. 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. And 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 function of this mitochondrial protein is unknown.
References	1. Allikmets, R., Gerrard, B., Glavac, D., Ravnik-Glavac, M., Jenkins, N. A., Gilbert, D. J., Copeland, N. G., Modi, W., Dean, M.Characterization and mapping of three new mammalian ATP-binding transporter genes from an EST database. Mammalian Genome 6: 114-117, 1995. 2. Chen, W., Paradkar, P. N., Li, L., Pierce, E. L., Langer, N. B., Takahashi-Makise, N., Hyde, B. B., Shirihai, O. S., Ward, D. M., Kaplan, J., Paw, B. H. Abcb10 physically interacts with mitoferrin-1 (Slc25a37) to enhance its stability and function in the erythroid mitochondria. Proc. Nat. Acad. Sci. 106: 16263-16268, 2009. 3. Zhang, F., Hogue, D. L., Liu, L., Fisher, C. L., Hui, D., Childs, S., Ling, V. M-ABC2, a new human mitochondrial ATP-binding cassette membrane protein. FEBS Lett. 478: 89-94, 2000.

NCBI AND UNIPROT INFORMATION

NCBI GI #	171184400
NCBI GeneID	23456
NCBI Accession #	NP_036221.2
NCBI GenBank Nucleotide #	NM_012089.2
UniProt Accession #	Q9NRK6; Q13040; Q6P1Q8; Q9H3V0
Molecular Weight	79,148 Da
NCBI Official Full Name	ATP-binding cassette sub-family B member 10, mitochondrial
NCBI Official Synonym Full Names	ATP binding cassette subfamily B member 10
NCBI Official Symbol	ABCB10
NCBI Official Synonym Symbols	M-ABC2; MTABC2; EST20237
NCBI Protein Information	ATP-binding cassette sub-family B member 10, mitochondrial

UniProt Protein Name	ATP-binding cassette sub-family B member 10, mitochondrial
UniProt Gene Name	ABCB10
UniProt Synonym Gene Names	ABC transporter 10 protein; M-ABC2
UniProt Entry Name	ABCBA_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/abcb10-antibody-western-blot-elisa/46630>