MDR/TAP, ABCB9 ATP-binding cassette sub-family B, member 9 polyclonal antibody

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Box 1 | Basic Info

Cat. No.	ABP-PAB-10463
Animal ID	RB1813-1814
Host	Rabbit
Reactivity	Human
Format	Purified
Accession number	NM_019624
Amount	100µl

Alternative Name(s): ATP-binding cassette sub-family B (MDR/TAP) member 9, TAPL, KIAA1520, EST122234

Description

The ATP-binding cassette sub-family B (MDR/TAP) member 9 (ABCB9) protein is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White) and ABCB9 is a member of the MDR/TAP subfamily. ABC proteins transport various molecules across extra- and intra-cellular membranes and members of the MDR/TAP subfamily are involved in multidrug resistance, lipid transportation as well as antigen presentation. The function of the this half-transporter has not yet been determined; however, ABCB9 may play a role in lysosomes. Alternative splicing of ABCB9 results in two known variants which are likely to have different substrate specificities. The ABCB9 gene encodes two protein isoforms (variant 1 and 2). ABCB9 protein variant 2 contains a 129 bp deletion resulting in a 43-amino acid in-frame deletion, as compared to the predominant protein variant 1.

Buffers

Purified rabbit polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column and eluted out with both high and low pH buffers and neutralized immediately after elution then followed by dialysis against PBS.

Immunogen

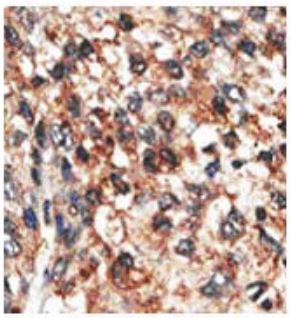
KLH conjugated synthetic peptide comprised of amino acids 752 - 766 [TAGHNEPVANGSHKA] of the human ATP-binding cassette sub-family B (MDR/TAP) member 9 (ABCB9) protein, ABCB9

Application

Tested by peptide-specific ELISA (1:1,000). IHC (1:50 ~1:100)

Storage

Maintain refrigerated at 2-8ºC for up to 6 months. For long term storage store at -20ºC. Avoid repeated freeze-thaw cycles.



Human Hepatocarcinoma

References:

1. Zhang F, Zhang W, Liu L, Fisher CL, Hui D, Childs S, Dorovini-Zis K, Ling V: Characterization of ABCB9, an ATP binding cassette protein associated with lysosomes. J. Biol. Chem. 275(30): 23287-23294 (2000).
2. Allikmets R, Gerrard B, Hutchinson A, Dean M: Characterization of the human ABC superfamily: isolation and mapping of 21 new genes using the expressed sequence tags database. Hum. Mol. Genet. 5(10): 1649-1655 (1996).