



MDR/TAP, ABCB6 ATP-binding cassette sub-family B, member 6 polyclonal antibody

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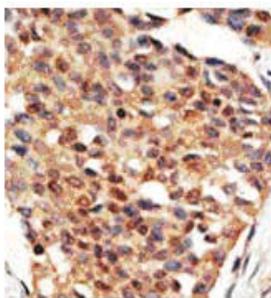
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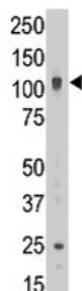
Box 1 | Basic Info

Cat. No.	ABP-PAB-10460
Animal ID	RB1809-1810
Host	Rabbit
Reactivity	Human
Format	Purified
Accession number	NM_005689
Amount	100µl

Alternative Name(s): ATP-binding cassette sub-family B (MDR/TAP) member 6, umat, ABC14, MTABC3, EST45597, ABCB6



Human Breast Carcinoma



WB analysis of HL60 cell lysate

Description

The ATP-binding cassette sub-family B (MDR/TAP) member 6 (ABCB6) 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 ABCB6 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. ABCB6 encodes a half-transporter which likely plays a role in mitochondrial function. Localized to 2q26, this gene is considered a candidate gene for lethal neonatal metabolic syndrome, a disorder of mitochondrial function. ABCB6 has a strong similarity to rat UMAT and is overexpressed during hepatocarcinogenesis.

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 827 - 842 [GQEETSEDTKPQTMER] of the human ATP-binding cassette sub-family B (MDR/TAP) member 6 (ABCB6) protein.

Application

Tested by peptide-specific ELISA (1:1,000). WB (1:100 ~1:500), IHC (1:50 ~1:100)

Storage

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

References:

1. Mitsuhashi N, Miki T, Senbongi H, Yokoi N, Yano H, Miyazaki M, Nakajima N, Iwanaga T, Yokoyama Y, Shibata T, Seino S: MTABC3, a novel mitochondrial ATP-binding cassette protein involved in iron homeostasis. *J. Biol. Chem.* 275(23): 17536-17540 (2000).
2. Furuya KN, Bradley G, Sun D, Schuetz EG, Schuetz JD: Identification of a new P-glycoprotein-like ATP-binding cassette transporter gene that is overexpressed during hepatocarcinogenesis. *Cancer Res.* 57(17): 3708-3716 (1997).