Datasheet for ABIN1538560

anti-ABCB1 antibody (AA 647-677)

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Overview

Quantity:	400 µL
Target:	ABCB1
Binding Specificity:	AA 647-677
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ABCB1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This P-Glycoprotein (ABCB1) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 647-677 amino acids from the Central region of human P-Glycoprotein (ABCB1).
Clone:	RB2208
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	ABCB1
Alternative Name:	P-Glycoprotein (ABCB1) (ABCB1 Products)

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Target Details

Background:	The membrane-associated ABCB1 protein 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. ABCB1 is an ATP-dependent drug efflux pump for xenobiotic compounds with broad substrate specificity. It is responsible for decreased drug accumulation in multidrug-resistant cells and often mediates the development of resistance to anticancer drugs. This protein also functions as a transporter in the blood-brain barrier.
Molecular Weight:	141479
Gene ID:	5243
NCBI Accession:	NP_000918
UniProt:	P08183

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	P-Glycoprotein (ABCB1) Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

Product cited in:	Kuo, Lee, Chen, Yang, Lin, Tsai, Wuputra, Lee, Ku, Miyoshi, Nakamura, Saito, Wu, Chai, Eckner,

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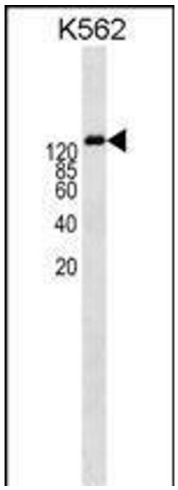
Publications

Steve Lin, Wang, Wu, Lin, Yokoyama: "Positive Feedback Loop of OCT4 and c-JUN Expedites Cancer Stemness in Liver Cancer." in: **Stem cells (Dayton, Ohio)**, Vol. 34, Issue 11, pp. 2613-2624, (2018) (PubMed).

Xiang, Zhang, Lu, Tang, Liang, Shi, Song, Gao: "A P-glycoprotein gene serves as a component of the protective mechanisms against 2-tridecanone and abamectin in Helicoverpa armigera." in: **Gene**, Vol. 627, pp. 63-71, (2017) (PubMed).

Images



Western Blotting

Image 1. ABCB1 Antibody (ABIN1538560 and ABIN2840587) western blot analysis in K562 cell line lysates (35 µg/lane).This demonstrates the ABCB1 antibody detected the ABCB1 protein (arrow).