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Product datasheet for TA809826

P Glycoprotein (ABCB1) Mouse Monoclonal Antibody [Clone ID: OTI10C1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI10C1
Applications:	WB
Recommend Dilution:	WB 1:2000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 995-1280 of human ABCB1 (NP_000918) produced in SF9 cell.
Formulation:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Gene Name:	ATP binding cassette subfamily B member 1
Database Link:	NP_000918 Entrez Gene 5243 Human
Background:	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. 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 protein encoded by this gene 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. [provided by RefSeq, Jul 2008]
Synonyms:	ABC20; CD243; CLCS; GP170; MDR1; P-GP; PGY1
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

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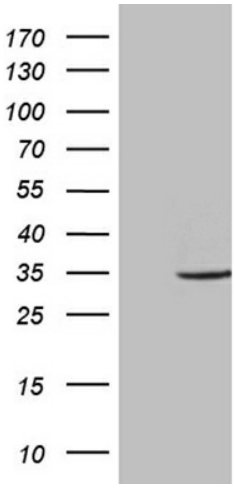
Protein Pathways: ABC transporters

Product images:



SF9 cells lysate (5 ug, left lane) and SF9 cells lysate expressing human recombinant protein fragment (5 ug, right lane) corresponding to amino acids 995-1280 of human ABCB1 (NP_000918) were separated by SDS-PAGE and immunoblotted with anti-ABCB1 (1:2000).

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