

Mouse Monoclonal Antibody to ABCB1

Catalogue Number	sAP-0879
Target Molecule	<p>Name: ABCB1</p> <p>Aliases: CLCS; MDR1; P-GP; PGY1; ABC20; CD243; GP170</p> <p>MW: 141.5kDa</p> <p>Entrez Gene ID: 5243</p>
Description	<p>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. ;</p>
Immunogen	Purified recombinant fragment of human ABCB1 (AA: 632-693) expressed in E. Coli.
Recitative Species	Human;
Clone	MM6G11C12;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Pharmacol Rep. 2012;64(6):1560-6. ; 2. J Cancer Res Ther. 2012 Apr-Jun;8(2):226-31. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**