MDR1 Mouse mAb

Catalog No	YP-mAb-18867
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	ABCB1
Protein Name	Multidrug resistance protein 1
Immunogen	The antiserum was produced against synthesized peptide derived from human P-glycoprotein 1. AA range:534-583
Specificity	The antiserum was produced against synthesized peptide derived from human P-glycoprotein 1. AA range:534-583
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal,Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	p-pg ; ABCB1 ; MDR1 ; PGY1 ; Multidrug resistance protein 1 ; ATP-binding cassette sub-family B member 1 ; P-glycoprotein 1 ; CD antigen CD243
Observed Band	
Calculated Molecular Weight	141kD
Cell Pathway	
Tissue Specificity	
Function	Catalytic activity:ATP + H(2)O + xenob
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.
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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