



MDR1 Rabbit pAb

Catalog No	YP-Ab-18867
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Gene Name	ABCB1
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	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000; IHC 1:100-1:300; ELISA 1:40000; IF 1:50-200 Note:For IHC, wesuggest antigen retrieval with TE buffer pH 9.0
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CLCS;MDR1;P-GP;PGY1;ABC20;CD243;GP170;p-170;P Glycoprotein;ABCB1; Multidrug resistance protein 1;p-pg;ATP-binding cassette sub-family B member 1;P-glycoprotein 1;CD antigen CD243
Observed Band	160-200kDa
Calculated Molecular Weight	141kDa
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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