



MDR1 Rabbit pAb

Catalog No	YP-Ab-18867
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB, IHC, IF, ELISA
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	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	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.

Products Images