

ARG67351 anti-MDR1 / P Glycoprotein 1 antibody

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MDR1 / P Glycoprotein 1
Tested Reactivity	Hu, Ms, Rat, Dog
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MDR1 / P Glycoprotein 1
Species	Human
Immunogen	MDR1 / P Glycoprotein 1KLH-conjugated synthetic peptide encompassing a sequence within the center region of human
Conjugation	Un-conjugated
Alternate Names	PGY1; ABC20; P-GP; ATP-binding cassette sub-family B member 1; Multidrug resistance protein 1; CD antigen CD243; GP170; CLCS; CD243; MDR1; EC 3.6.3.44; P-glycoprotein 1

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:1000
Observed Size	180 kDa	

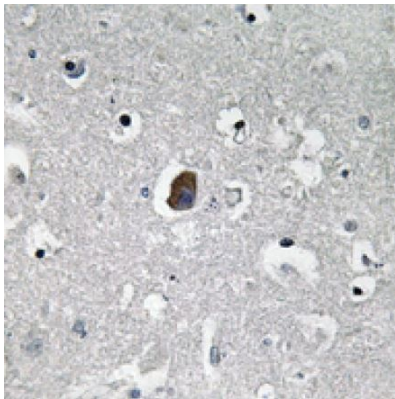
Properties

Form	Liquid
Purification	Affinity purification with immunogen
Buffer	0.42% Potassium phosphate, 0.87% NaCl, 0.01% Sodium azide and 30% Glycerol.
Preservative	0.01% Sodium azide
Stabilizer	30% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

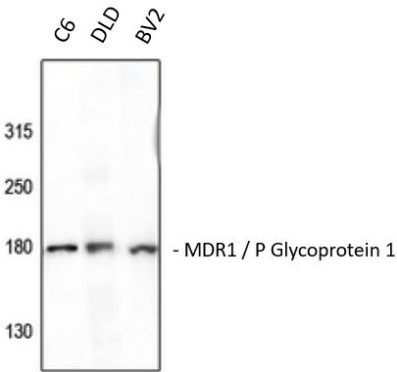
Gene Symbol	ABCB1
Gene Full Name	ATP-binding cassette, sub-family B (MDR/TAP), member 1
Background	The membrane-associated protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular 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]
Function	Energy-dependent efflux pump responsible for decreased drug accumulation in multidrug-resistant cells. [UniProt]
Calculated Mw	141 kDa

Images



ARG67351 anti-MDR1 / P Glycoprotein 1 antibody IHC-P image

Immunohistochemistry: Human brain stained with ARG67351 anti-MDR1 / P Glycoprotein 1 antibody.



ARG67351 anti-MDR1 / P Glycoprotein 1 antibody WB image

Western blot: C6, DLD and BV2 stained with ARG67351 anti-MDR1 / P Glycoprotein 1 antibody.