ARG40732
anti-MDR1 / P Glycoprotein 1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MDR1 / P Glycoprotein 1
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MDR1 / P Glycoprotein 1
Species	Human
Immunogen	Synthetic peptide from Human MDR1 / P Glycoprotein 1.
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 - 1:2000

Application Note: WB: Suggest not boiling the sample after lysis and before loading into the gel. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

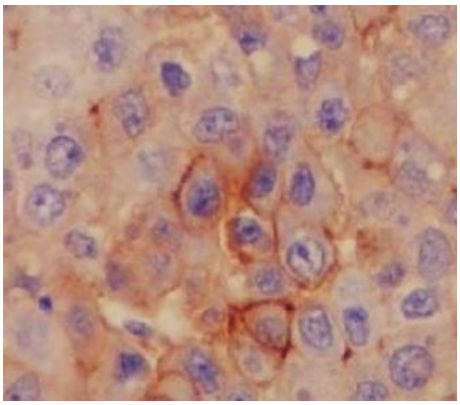
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% 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. 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

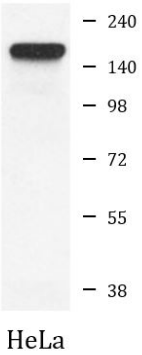
Gene Symbol	ABCB1
Gene Full Name	ATP-binding cassette, sub-family B (MDR/TAP), member 1
Background	The membrane-associated protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular 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
Cellular Localization	Cell membrane; Multi-pass membrane protein. [UniProt]

Images



ARG40732 anti-MDR1 / P Glycoprotein 1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver stained with ARG40732 anti-MDR1 / P Glycoprotein 1 antibody.



ARG40732 anti-MDR1 / P Glycoprotein 1 antibody WB image

Western blot: HeLa cell lysate stained with ARG40732 anti-MDR1 / P Glycoprotein 1 antibody.