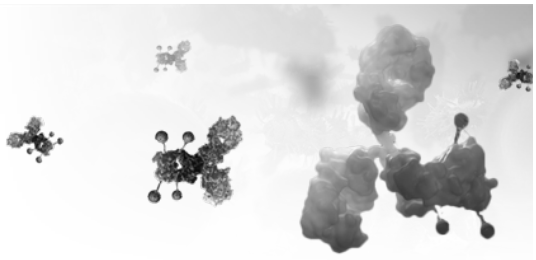

Rabbit Anti-P Glycoprotein monoclonal antibody, clone TO17-53 (CABT-L739)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	P Glycoprotein
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TO17-53
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, IHC
Molecular Weight	180 kDa
Cellular Localization	Cell membrane.
Positive Control	Human liver tissue, mouse brain tissue, mouse kidney tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

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Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	Cells selected for resistance to a single cytotoxic drug may become cross-resistant to a broad range of drugs with different structures and cellular targets. This phenomenon is called multiple drug resistance (MDR). The MDR proteins (Mdrs) are members of a highly conserved superfamily of ATP-binding cassette transport proteins. Mdr functions as an energy-dependent efflux pump for structurally diverse agents ranging from ions to peptides. It is implicated in the development of the multiple drug resistance observed in human cancer cells following prolonged chemotherapy. The classic form of MDR is associated with an increase in the Mdr protein, but not all cases of MDR can be attributed to a rise in Mdr levels. Mdr-1 is an apical transmembrane protein that is an integral part of the blood-brain barrier and functions as a drug-transport pump transporting a variety of drugs from the brain back into the blood. In the human population, there are 15 polymorphisms in the Mdr-1 gene.
Keywords	ABC20;ABCB1;ATP binding cassette, sub family B (MDR/TAP), member 1;ATP-binding cassette sub-family B member 1;CD243;CLCS;Colchicin sensitivity;Doxorubicin resistance;GP170;MDR1;MDR1_HUMAN;Multidrug resistance 1;Multidrug resistance protein 1;P glycoprotein 1;P gp;P-glycoprotein 1;PGY1 antibody

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