

MDR1 Antibody

Catalog No: #48315

Package Size: #48315-1 50ul #48315-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	MDR1 Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	1G6
Purification	ProA affinity purified
Applications	WB, IP, IF
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Mdr of hamster origin.
Other Names	ABC20 antibody ABCB1 antibody ATP binding cassette, sub family B (MDR/TAP), member 1 antibody ATP-binding cassette sub-family B member 1 antibody CD243 antibody CLCS antibody Colchicin sensitivity antibody Doxorubicin resistance antibody GP170 antibody MDR1 antibody MDR1_HUMAN antibody Multidrug resistance 1 antibody Multidrug resistance protein 1 antibody P glycoprotein 1 antibody P gp antibody P-glycoprotein 1 antibody PGY1 antibody
Accession No.	Swiss-Prot#:P08183
Uniprot	P08183
GeneID	5243;
Calculated MW	170 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:10-1:200IHC: 1:10-1:200IP: 1-2 µg per 100-500 µg of total protein(1 ml of cell lysate)

Background

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.

References

Note: This product is for in vitro research use only