P glycoprotein
Polyclonal ANTIBODY
Catalog Number: 22336-1-AP

Basic Information
Catalog Number: 22336-1-AP
Size: 72 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG17811
GenBank Accession Number: BC130424
GeneID (NCBI): 5243
Recommended Dilutions:
WB 1:500-1:1000
IP 0.5-4.0 μg for IP and 1:200-1:1000 for WB
IHC 1:50-1:500

Applications
Tested Applications: IHC, IP, WB, ELISA
Cited Applications: IHC, WB
Species Specificity: human, mouse
Cited Species: human

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information
ABCB1 (also known as P-gp/ P-glycoprotein, MDR1/multidrug-resistance 1) is a plasma membrane protein first discovered in multidrug resistant tumor cells. ABCB1 can extrude a large number of medically relevant compounds from cells and causes drug resistance. ABCB1 is expressed in a variety of human cancers as well as normal tissues including brain, and placenta. Overexpression of ABCB1 correlates with a negative prognosis in several types of cancer. For optimal WB detection with 22336-1-AP, we recommend to avoid boiling the sample after lysis.

Notable Publications
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<th>Author</th>
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<tr>
<td>Y Q Jiang</td>
<td>27706681</td>
<td>Genet Mol Res</td>
<td>WB</td>
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<tr>
<td>Shengwei Liu</td>
<td>25345948</td>
<td>Oncotarget</td>
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<tr>
<td>Keiichi Matsumoto</td>
<td>26448856</td>
<td>Histochem Cell Biol</td>
<td>IHC</td>
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Storage
Storage: Store at -20ºC. Stable for one year after shipment.
Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20ºC storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or (312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Various lysates were subjected to SDS PAGE followed by western blot with 22336-1-AP (P glycoprotein antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.


Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 22336-1-AP (P glycoprotein antibody at dilution of 1:500 (under 10x lens), heat mediated antigen retrieved with Tris-EDTA buffer(pH9).

Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 22336-1-AP (P glycoprotein antibody at dilution of 1:500 (under 40x lens), heat mediated antigen retrieved with Tris-EDTA buffer(pH9).