

For Research Use Only

P glycoprotein Polyclonal ANTIBODY



Catalog Number: 22336-1-AP

12 Publications

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

Full Name:
ATP-binding cassette, sub-family B
(MDR/TAP), member 1

Calculated MW:
1280aa, 142 kDa

Observed MW:
130-150 kDa

Recommended Dilutions:

WB 1:200-1:1000

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

Positive Controls:

WB : HepG2 cells;

IP : human placenta tissue;

IHC : human liver cancer tissue; mouse kidney tissue

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Y.Q.Jiang	27706681	Genet Mol Res	WB
Shengwei Liu	29245948	Oncotarget	IHC
Koichi Matsumoto	26449856	Histochem Cell Biol	IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

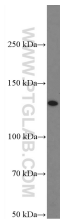
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

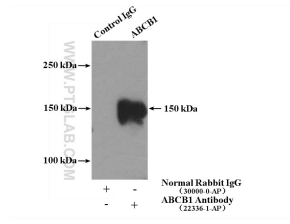
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

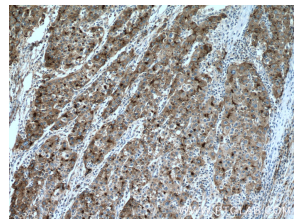
Selected Validation Data



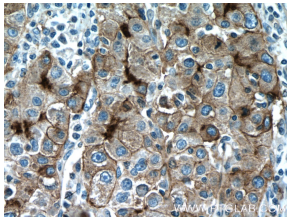
HepG2 cells were subjected to SDS PAGE followed by western blot with 22336-1-AP (P glycoprotein antibody at dilution of 1:300) incubated at room temperature for 1.5 hours



IP Result of anti-P glycoprotein (IP:22336-1-AP, 4ug; Detection:22336-1-AP 1:300) with human placenta tissue lysate 4000ug.



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).