

For Research Use Only

P glycoprotein Polyclonal antibody

Catalog Number: 22336-1-AP

109 Publications



Basic Information

Catalog Number:

22336-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG17811

GenBank Accession Number:

BC130424

GeneID (NCBI):

5243

UNIPROT ID:

P08183

Full Name:

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

Calculated MW:

1280 aa, 142 kDa

Observed MW:

130-150 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP

Species Specificity:

human

Cited Species:

human, mouse, rat, pig

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

Positive Controls:

WB: unboiled HeLa cells, unboiled HepG2 cells

IP: human placenta tissue,

IHC: human liver cancer tissue, human 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. For optimal WB detection with 22336-1-AP, we recommend to avoid boiling the sample after lysis.

Notable Publications

Author	Pubmed ID	Journal	Application
Kaili Liu	33007707	Transl Oncol	WB,IF,IHC
Dongya Chai	32963175	Biol Pharm Bull	WB
Y Q Jiang	27706681	Genet Mol Res	WB

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

*** 20ul sizes contain 0.1% BSA

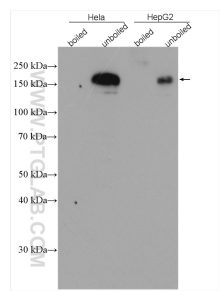
For technical support and original validation data for this product please contact:

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

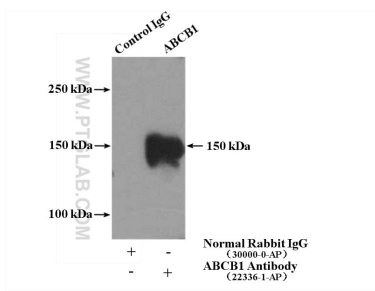
E: proteintech@ptglab.com
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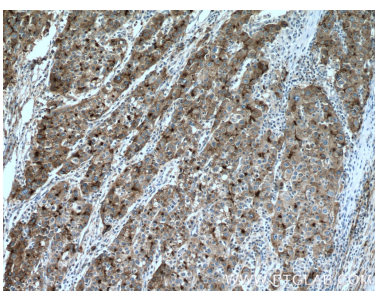
Selected Validation Data



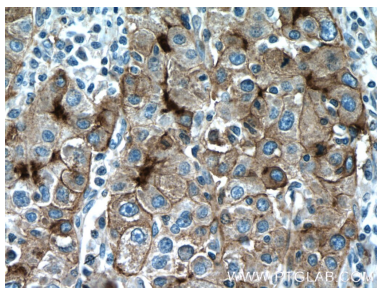
Various lysates were subjected to SDS PAGE followed by western blot with 22336-1-AP (P glycoprotein antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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 retrieval with Tris-EDTA buffer (pH 9.0).



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 retrieval with Tris-EDTA buffer (pH 9.0).