

For Research Use Only

# P glycoprotein Polyclonal antibody

Catalog Number: 22336-1-AP

75 Publications



## Basic Information

**Catalog Number:**

22336-1-AP

**Size:**

600 µg/ml

**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 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

## Applications

**Tested Applications:**

IHC, IP, WB, ELISA

**Cited Applications:**

WB, IP, IHC, IF, FC, ColP

**Species Specificity:**

human

**Cited Species:**

human, mouse, pig

**Positive Controls:**

WB: unboiled HeLa cells, unboiled HepG2 cells

IP: human placenta tissue,

IHC: human liver cancer tissue, human kidney tissue

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

**Boiling the sample after lysis is not recommended.**

## 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

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

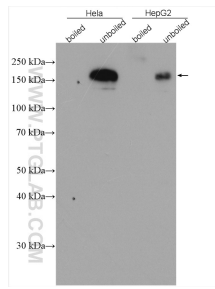
T: 4006900926

E: Proteintech-CN@ptglab.com

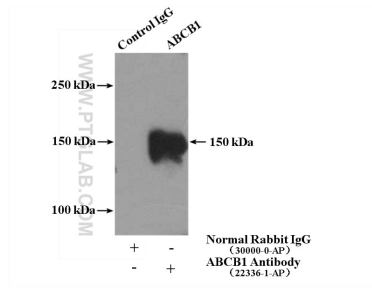
W: ptgcn.com

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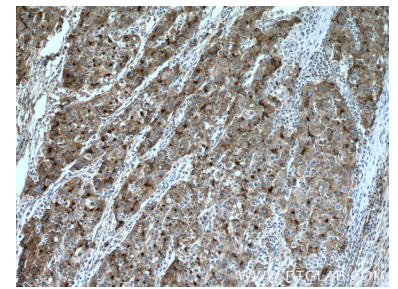
## Selected Validation Data



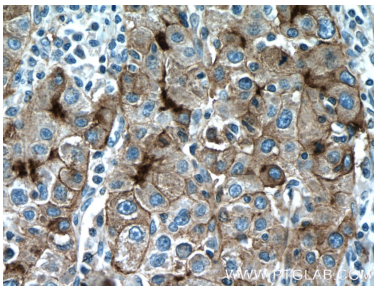
Various lysates were subjected to SDS PAGE followed by western blot with 22336-1-AP (P glycoprotein antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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).