

For Research Use Only

# TAP1 Polyclonal antibody

Catalog Number: 11114-1-AP

Featured Product

23 Publications



## Basic Information

### Catalog Number:

11114-1-AP

### Size:

150ul, Concentration: 700 µg/ml by Nanodrop and 387 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1619

### GenBank Accession Number:

BC014081

### GeneID (NCBI):

6890

### Full Name:

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

### Calculated MW:

81 kDa

### Observed MW:

70-81 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:6000

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

IHC 1:20-1:200

IF 1:20-1:200

## Applications

### Tested Applications:

IF, IHC, IP, WB, ELISA

### Cited Applications:

IF, IHC, IP, RIP, WB

### Species Specificity:

human, mouse

### Cited Species:

human, rat, mouse

### Positive Controls:

WB : HCT 116 cells, HepG2 cells, mouse skeletal muscle tissue, HeLa cells, mouse spleen tissue, SW480 cells

IP : HepG2 cells,

IHC : human pancreas cancer tissue,

IF : HepG2 cells,

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

## Background Information

TAP1, also known as ABCB2, PSF1 or RING4, is a member of the ATP-binding cassette (ABC) family of transmembrane transporters and is an essential component of the major histocompatibility complex (MHC) class I antigen-presenting pathway. TAP1 is involved in the transport of antigens from the cytoplasm to the endoplasmic reticulum for association with MHC class I molecules. It also acts as a molecular scaffold for the final stage of MHC class I folding. Defects in TAP1 are a cause of bare lymphocyte syndrome type 1 (BLS1). Western blot analysis using this antibody detected a major band around 70-80 kDa in HeLa cells.

## Notable Publications

Author	Pubmed ID	Journal	Application
Nima Attaran	36276482	Oncol Lett	IHC
Yan Li	36452477	Clin Transl Immunology	WB
Zhen-Da Wang	36419887	Front Oncol	WB,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

\*\*\* 20ul sizes contain 0.1% BSA

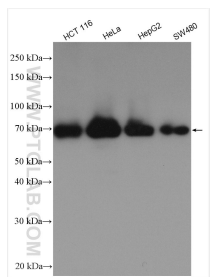
For technical support and original validation data for this product please contact:

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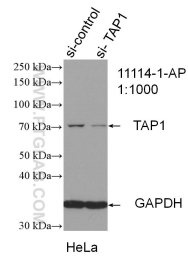
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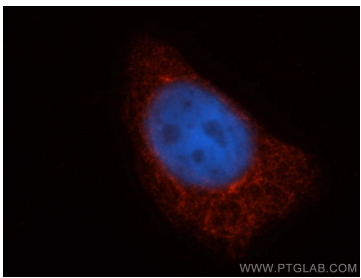
Selected Validation Data



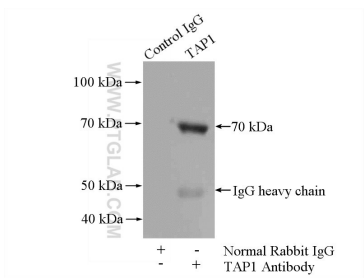
Various lysates were subjected to SDS PAGE followed by western blot with 11114-1-AP (TAP1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



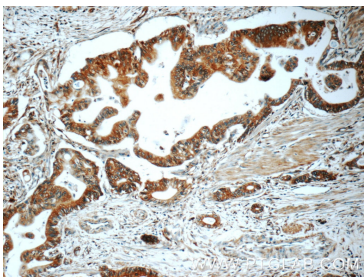
WB result of TAP1 antibody (11114-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TAP1 transfected HeLa cells.



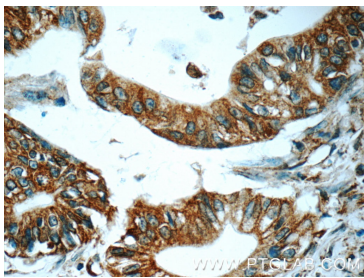
Immunofluorescent analysis of HepG2 cells, using TAP1 antibody 11114-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



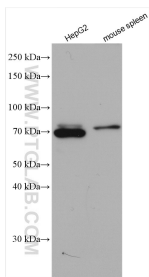
IP Result of anti-TAP1 (IP:11114-1-AP, 4ug; Detection:11114-1-AP 1:500) with HepG2 cells lysate 2400ug.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 11114-1-AP (TAP1 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 11114-1-AP (TAP1 Antibody) at dilution of 1:50 (under 40x lens).



Various lysates were subjected to SDS PAGE followed by western blot with 11114-1-AP (TAP1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.