

For Research Use Only

# WWTR1/TAZ Polyclonal antibody

Catalog Number: 23306-1-AP

Featured Product

59 Publications



## Basic Information

### Catalog Number:

23306-1-AP

### Size:

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

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG19659

### GenBank Accession Number:

BC014052

### GeneID (NCBI):

25937

### UNIPROT ID:

Q9GZV5

### Full Name:

WW domain containing transcription regulator 1

### Calculated MW:

44 kDa

### Observed MW:

50 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:8000

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

IHC 1:50-1:500

IF-P 1:50-1:500

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IF-P, IP, ELISA

### Cited Applications:

WB, IHC, IF, IP, CoIP, ChIP

### Species Specificity:

human, rat

### Cited Species:

human, mouse, rat

**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 : HeLa cells, LN229 cells, MDA-MB-453s cells

IP : MDA-MB-453s cells,

IHC : human ovary cancer tissue,

IF-P : rat kidney tissue,

IF/ICC : U-251 cells,

## Background Information

TAZ, also referred as WWTR1, is a transcriptional co-activator with a PDZ-binding motif that is regulated by its interaction with 14-3-3 protein. TAZ is expressed in many primary tumors, such as breast cancer, thyroid carcinoma, colorectal cancer, and glioma (PMID: 22003437, PMID: 27764783). TAZ has been reported to be one of the nuclear effectors of Hippo-related pathways that regulate organ size control, cancer stem cell (CSC) properties, and epithelial-mesenchymal transition (EMT). TAZ has been defined for its role in the nucleus, where it functions directly as a transcriptional regulator by interacting with several nuclear factors as Runx2/Cbfa1, NHERF-2, TEF-1, TBX5, PAX3, PAX8 and TTF-1.

## Notable Publications

Author	Pubmed ID	Journal	Application
Bang-Yi Lin	32969138	J Cell Mol Med	WB
Chunxu Luo	32914480	Phytother Res	WB
Wen Zhao	34490599	Histol Histopathol	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

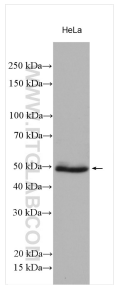
For technical support and original validation data for this product please contact:

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

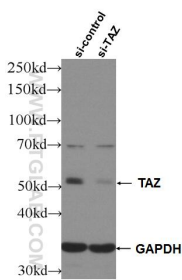
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

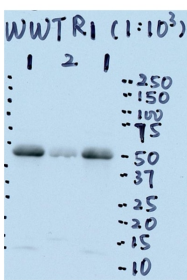
Selected Validation Data



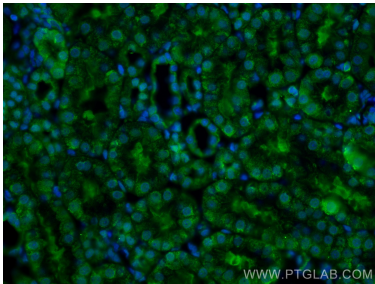
HeLa cells were subjected to SDS PAGE followed by western blot with 23306-1-AP (TAZ antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



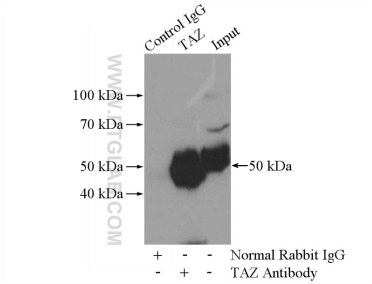
WB result of TAZ antibody (23306-1-AP; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TAZ transfected HeLa cells.



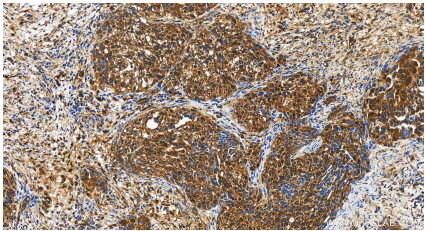
WB result of WWTR1 antibody (TAZ antibody, 23306-1-AP, 1:1000) with LN229 cell lysate by Dr. Xiaobing He. (Lane 1, LN229 (GBM cell line) cell lysate. 90 ug; Lane 2, LN229 growth inhibition treatment. 90 ug).



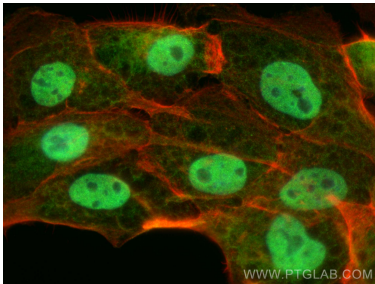
Immunofluorescent analysis of (4% PFA) fixed rat kidney tissue using WWTR1 antibody (23306-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-WWTR1 (IP:23306-1-AP, 4ug; Detection:23306-1-AP 1:300) with MDA-MB-453s cells lysate 2800ug.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 23306-1-AP (WWTR1 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed U-251 cells using WWTR1 antibody (23306-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).