

For Research Use Only

# WWTR1 Monoclonal antibody

Catalog Number: 66500-1-Ig

Featured Product

8 Publications



## Basic Information

<b>Catalog Number:</b> 66500-1-Ig	<b>GenBank Accession Number:</b> BC014052	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul, Concentration: 2522 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 25937	<b>CloneNo.:</b> 2A12A10
<b>Source:</b> Mouse	<b>Full Name:</b> WW domain containing transcription regulator 1	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:300-1:1200 IF 1:200-1:800
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 44 kDa	
<b>Immunogen Catalog Number:</b> AG13330	<b>Observed MW:</b> 55 kDa	

## Applications

### Tested Applications:

IF, IHC, WB, ELISA

### Cited Applications:

IF, IHC, WB

### Species Specificity:

Human, rat, mouse

### Cited Species:

human, rat, mouse

**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: A549 cells, HepG2 cells, HSC-T6 cells, MCF-7 cells, NIH/3T3 cells, MDA-MB-231 cells, HeLa cells, Jurkat cells, 4T1 cells, MDA-MB-453S cells

IHC: human liver cancer tissue, human breast cancer tissue

IF: human liver cancer tissue,

## 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. 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
Xinghe Chen	36414118	Toxicol Appl Pharmacol	WB,IF
Xuyang Hu	35833021	Front Pharmacol	WB,IHC,IF
Adheesh Bhandari	31312369	Am J Transl 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

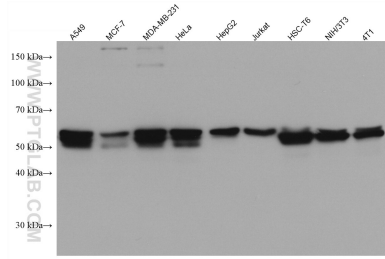
For technical support and original validation data for this product please contact:

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

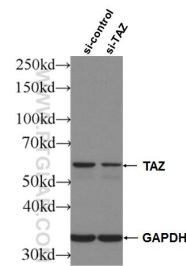
E: proteintech@ptglab.com  
W: ptglab.com

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

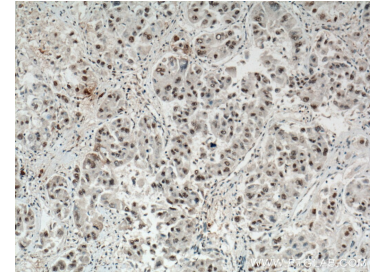
## Selected Validation Data



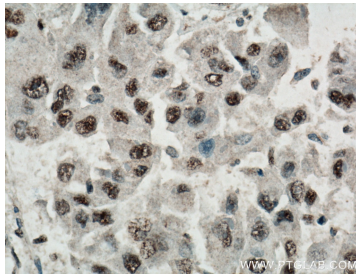
Various lysates were subjected to SDS PAGE followed by western blot with 66500-1-Ig (TAZ antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



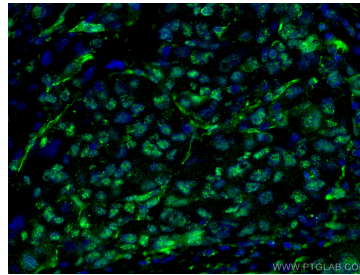
WB result of TAZ antibody (66500-1-Ig; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TAZ transfected HepG2 cells.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66500-1-Ig (TAZ antibody) at dilution of 1:600 (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 66500-1-Ig (TAZ antibody) at dilution of 1:600 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using TAZ antibody (66500-1-Ig, Clone: 2A12A10) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).