

# WWTR1 Monoclonal antibody

Catalog Number: 66500-1-Ig

Featured Product

8 Publications

## Basic Information

## Catalog Number:

66500-1-Ig

## Size:

2522 µg/ml

## Source:

Mouse

## Isotype:

IgG1

## Immunogen Catalog Number:

AG13330

## GenBank Accession Number:

BC014052

## GeneID (NCBI):

25937

## UNIPROT ID:

Q9GZV5

## Full Name:

WW domain containing transcription regulator 1

## Calculated MW:

44 kDa

## Observed MW:

55 kDa

## Purification Method:

Protein A purification

## CloneNo.:

2A12A10

## Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:300-1:1200

IF 1:200-1:800

## Applications

## Tested Applications:

IF-P, 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

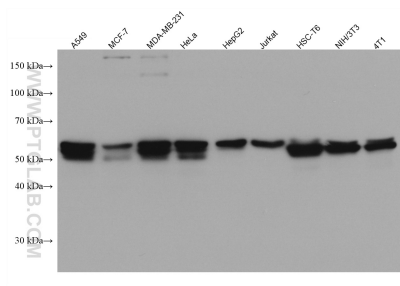
For technical support and original validation data for this product please contact:

T: 4006900926

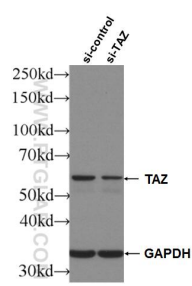
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

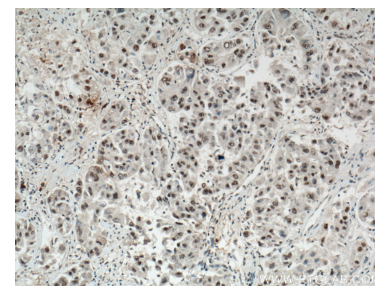
## Selected Validation Data



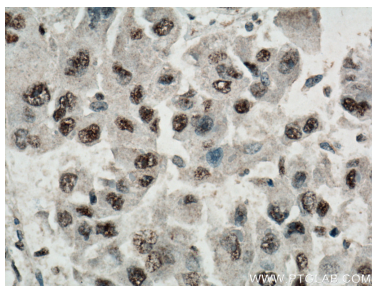
Various lysates were subjected to SDS PAGE followed by western blot with 66500-1-Ig (TAZ antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



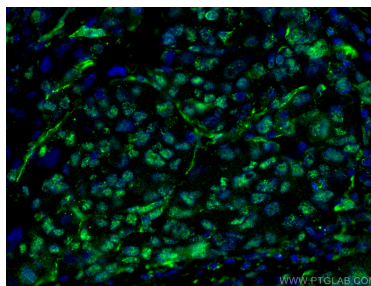
WB result of TAZ antibody (66500-1-Ig; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TAZ transfected HepG2 cells.



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).