

For Research Use Only

WWTR1/TAZ Monoclonal antibody

Catalog Number: 66500-1-Ig

Featured Product

13 Publications



Basic Information

Catalog Number: 66500-1-Ig	GenBank Accession Number: BC014052	Purification Method: Protein G purification
Size: 150ul, Concentration: 2522 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 25937	CloneNo.: 2A12A10
Source: Mouse	UNIPROT ID: Q9GZV5	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:300-1:1200 IF-P 1:200-1:800
Isotype: IgG1	Full Name: WW domain containing transcription regulator 1	
Immunogen Catalog Number: AG13330	Calculated MW: 44 kDa	
	Observed MW: 55 kDa	

Applications

Tested Applications: WB, IHC, IF-P, ELISA	Positive Controls:
Cited Applications: WB, IHC, IF	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
Species Specificity: human, mouse, rat	IHC: human liver cancer tissue, human breast cancer tissue
Cited Species: human, mouse, rat	IF-P: human liver cancer tissue,
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

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

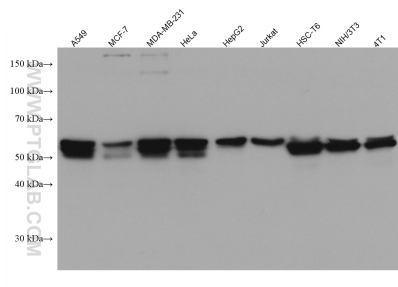
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

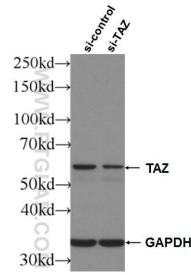
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

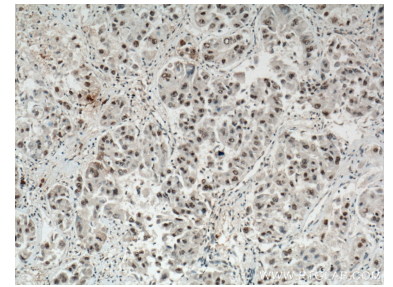
Selected Validation Data



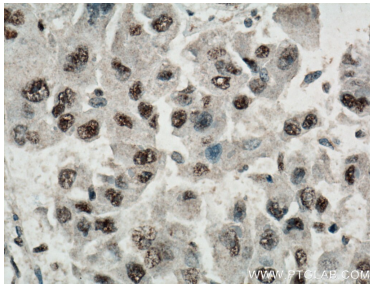
Various lysates were subjected to SDS PAGE followed by western blot with 66500-1-Ig (TAZ antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



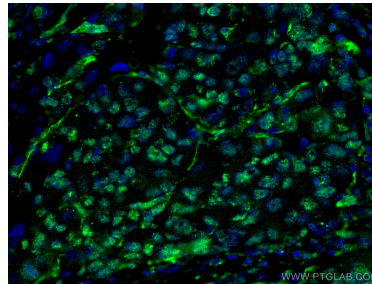
WB result of TAZ antibody (66500-1-Ig; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TAZ transfected HepG2 cells.



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).