
TAZ Rabbit pAb

Catalog Number: bs-12367R

Target Protein: TAZ

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (3ug/test)

Reactivity: Human, Mouse, Rat

Predicted MW: 44 kDa

Entrez Gene: 25937

Swiss Prot: Q9GZV5

Source: KLH conjugated synthetic peptide derived from human TAZ: 1-100/400.

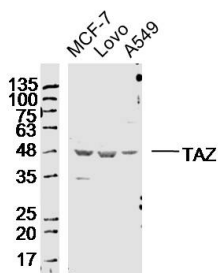
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

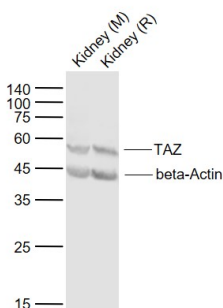
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The transcriptional co-activator with PDZ-binding motif (TAZ) is a 14-3-3-binding molecule. The highly conserved and ubiquitously expressed 14-3-3 proteins regulate differentiation, cell cycle progression and apoptosis by binding intracellular phosphoproteins involved in signal transduction. TAZ may link events at the plasma membrane and cytoskeleton to nuclear transcription in a manner that can be regulated by 14-3-3. TAZ shares homology with the WW domain of Yes-associated protein (YAP) and functions as a transcriptional co-activator by binding to the PPXY motif present on transcription factors. TAZ recognizes immunoreactive protein bands in lysates from MDCK, NIH-3T3 and 293T cells. In addition, COS7, Hep G2, CHO and HeLa cells express endogenous TAZ. 14-3-3 binding requires TAZ phosphorylation on a single Serine 89 residue, resulting in the inhibition of TAZ transcriptional co-activation through 14-3-3-mediated nuclear export.

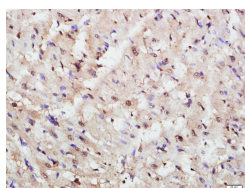
VALIDATION IMAGES



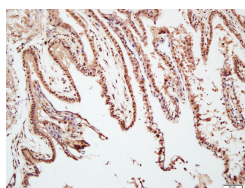
Sample: MCF-7 (Human) Cell Lysate at 40 ug Lovo(Human) CellLysate at 40 ug A549(Human) CellLysate at 40 ug
Primary: Anti-TAZ(bs-12367R)at 1/300 dilution Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution
Predicted band size: 44kD Observed band size: 46kD



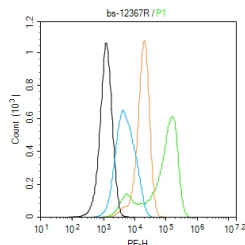
Sample: Lane 1: Kidney (Mouse) Lysate at 40 ug Lane 2: Kidney (Rat) Lysate at 40 ug Primary: Anti-TAZ (bs-12367R) at 1/1000 dilution Anti-beta-Actin (bs-0061R) at 1/2000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 50-55 kD Observed band size: 52 kD



Paraformaldehyde-fixed, paraffin embedded (rat heart); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TAZ) Polyclonal Antibody, Unconjugated (bs-12367R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse placenta); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TAZ) Polyclonal Antibody, Unconjugated (bs-12367R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Blank control:A549. Primary Antibody (green line): Rabbit Anti-TAZ antibody (bs-12367R) Dilution: 1μg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-PE Dilution: 3μg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

PRODUCT SPECIFIC PUBLICATIONS

[IF=4.6] Jiaxu Zhou. et al. JTE-013 Alleviates Pulmonary Fibrosis by Affecting the RhoA/YAP Pathway and Mitochondrial Fusion/Fission. PHARMACEUTICALS-BASE. 2023 Oct;16(10):1444 WB ; Mouse . 37895915

[IF=4.5] Shouying Xu. et al. ARID1A restrains EMT and stemness of ovarian cancer cells through the Hippo pathway. INT J ONCOL. 2024 Aug;65(2):1-11 WB ; Human . 38873993

[IF=4.4] Yiwei Wang. et al. Celastrol alleviates subconjunctival fibrosis induced by silicone implants mimicking glaucoma surgery. EUR J PHARM BIOPHARM. 2024 Jun;:114352 IF,WB ; Human . 38851459

[IF=4.4] Yiwei Wang. et al. M2 macrophages promote subconjunctival fibrosis through YAP/TAZ signalling. ANN MED. 2024 Feb 09 WB ; Human . 38335557

[IF=3.26] Ukita, Mayumi, et al. "Sclerostin Enhances Adipocyte Differentiation in 3T3 - L1 Cells." Journal of Cellular Biochemistry (2015).

WB ; ="Mouse" .26553151