



## Rabbit Anti-TAZ antibody

SL12367R

<b>Product Name:</b>	TAZ
<b>Chinese Name:</b>	转录共激活因子TAZ抗体
<b>Alias:</b>	Transcriptional co activator with PDZ binding motif; Transcriptional coactivator with PDZ binding motif; Transcriptional coactivator with PDZ-binding motif; WW domain containing transcription regulator 1; WW domain containing transcription regulator protein 1; WW domain-containing transcription regulator protein 1; WWTR 1; WWTR1; WWTR1 HUMAN.
<b>文献引用</b> PubMed :	<p><b>Specific References(2)</b> SL12367R has been referenced in 2 publications.</p> <p><b>[IF=1.65]</b>Sun, Lidan, et al. "Prognostic impact of TAZ and beta-catenin expression in adenocarcinoma of the esophagogastric junction." Diagnostic Pathology 9.1 (2014): 125.<b>IHC-P;Human.</b>  <a href="#">PubMed:25029906</a></p> <p><b>[IF=3.26]</b>Ukita, Mayumi, et al. "Sclerostin Enhances Adipocyte Differentiation in 3T3-L1 Cells." Journal of Cellular Biochemistry (2015).<b>WB;Mouse.</b>  <a href="#">PubMed:26553151</a></p>
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=3ug/testICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	44kDa
<b>Cellular localization:</b>	The nucleuscytoplasmicThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml

<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human TAZ:1-100/400
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>?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.</p> <p><b>Function:</b> Transcriptional coactivator which acts as a downstream regulatory target in the Hippo signaling pathway that plays a pivotal role in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein MST1/MST2, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1/2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1/TAZ. WWTR1 enhances PAX8 and NKX2-1/TTF1-dependent gene activation. Regulates the nuclear accumulation of SMADS and has a key role in coupling them to the transcriptional machinery such as the mediator complex. Regulates embryonic stem-cell self-renewal, promotes cell proliferation and epithelial-mesenchymal transition.</p> <p><b>Subcellular Location:</b> Nucleus. Cytoplasm. Concentrates along specific portions of the plasma membrane, and accumulates in punctate nuclear bodies.</p> <p><b>Tissue Specificity:</b> Highly expressed in kidney, heart, placenta and lung. Expressed in the thyroid tissue.</p> <p><b>Post-translational modifications:</b> Phosphorylated by LATS2 and STK3/MST2. Phosphorylation by LATS2 results in creation of 14-3-3 binding sites, retention in the cytoplasm, and functional inactivation. Phosphorylation results in the inhibition of transcriptional coactivation through</p>

YWHAZ-mediated nuclear export.

**Similarity:**

Contains 1 WW domain.

**SWISS:**

Q9GZV5

**Gene ID:**

25937

**Database links:**

[Entrez Gene: 25937](#)Human

[Entrez Gene: 97064](#)Mouse

[Entrez Gene: 295062](#)Rat

[Oimim: 607392](#)Human

[SwissProt: Q9GZV5](#)Human

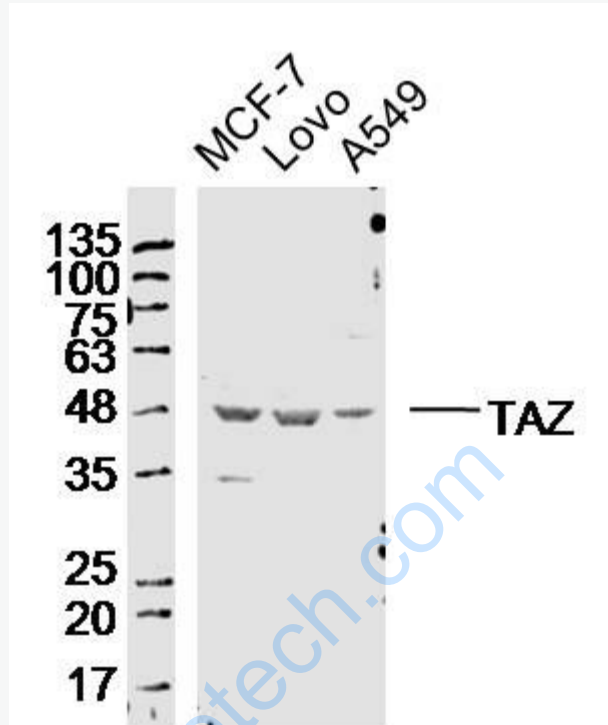
[SwissProt: Q9EPK5](#)Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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Picture:



Sample:

MCF-7 (Human) Cell Lysate at 40 ug

Lovo(Human) CellLysate at 40 ug

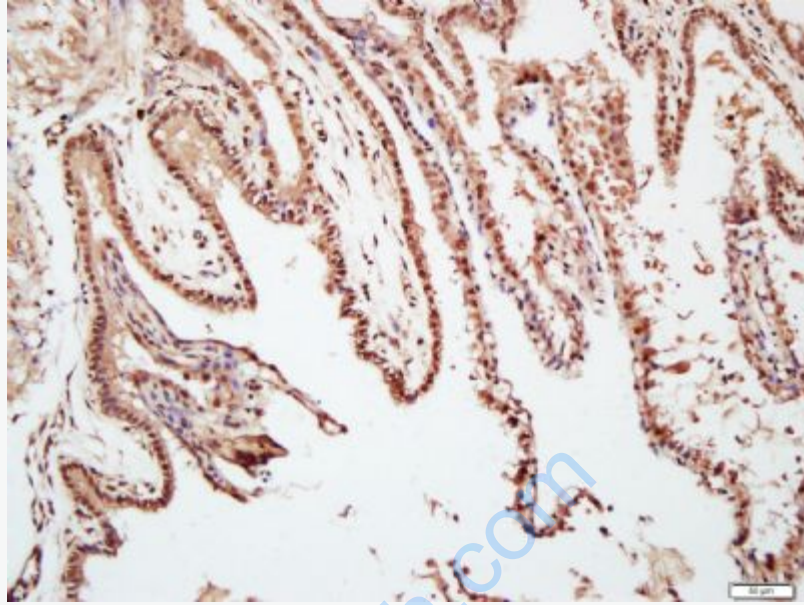
A549(Human) CellLysate at 40 ug

Primary: Anti-TAZ(SL12367R)at 1/300 dilution

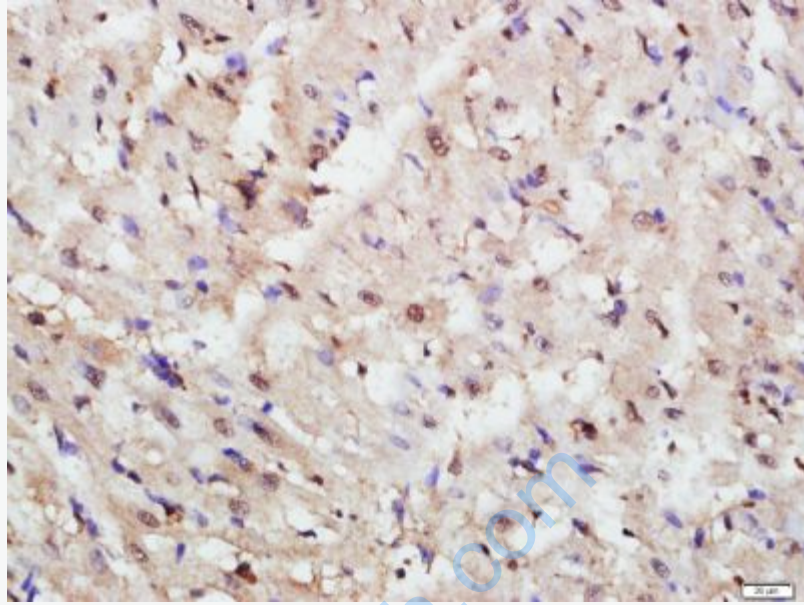
Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution

Predicted band size: 44kD

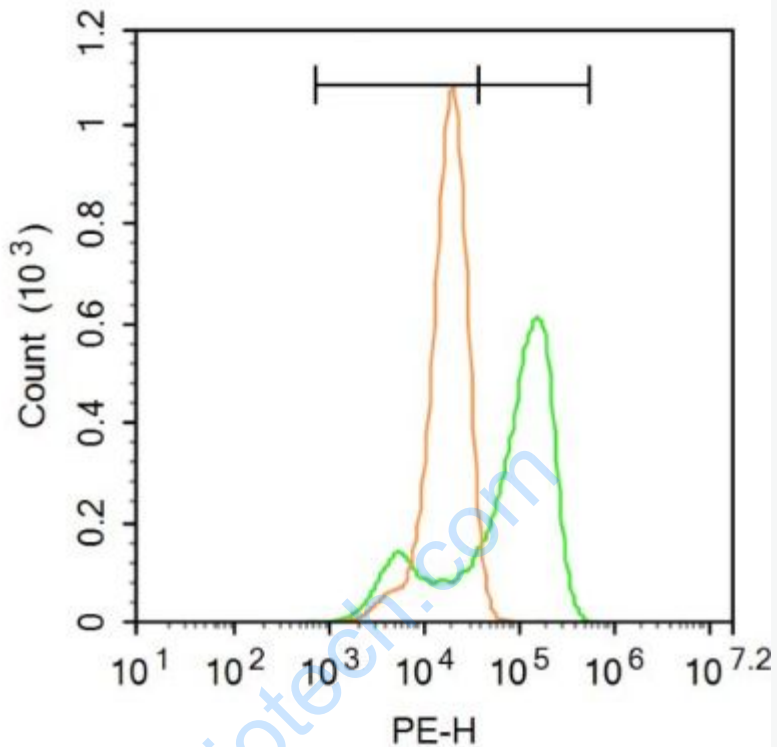
Observed band size: 46kD



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 (SL12367R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



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 (SL12367R) 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 (SL12367R)

Dilution:  $1\mu\text{g} / 10^6$  cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody : Goat anti-rabbit IgG-PE

Dilution:  $3\mu\text{g} / \text{test}$ .

#### Protocol

The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at  $-20^{\circ}\text{C}$ . The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min 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.
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