

Anti-TAZ Polyclonal Antibody

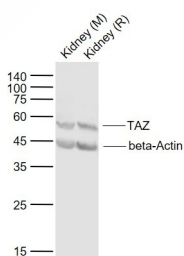
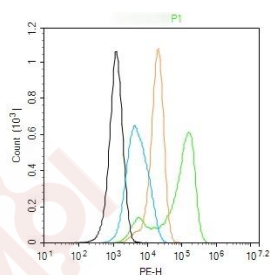
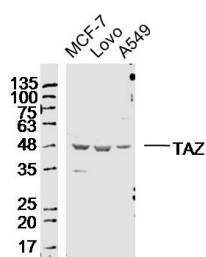
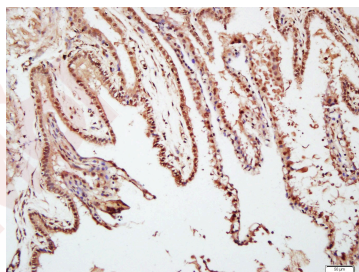
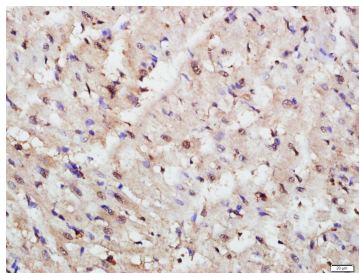
Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat(predicted:Pig,Sheep,Cow,Dog,Horse)
Molecular Weight:	Theoretical: 44 kDa. Actual: 48-52 kDa.
Purification:	Protein A purified

Applications

1. Paraformaldehyde-fixed, paraffin embedded (rat heart); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (TAZ) Polyclonal Antibody, Unconjugated (TMAB-01810) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 min and DAB staining.
2. Paraformaldehyde-fixed, paraffin embedded (mouse placenta); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (TAZ) Polyclonal Antibody, Unconjugated (TMAB-01810) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 min and DAB staining.
3. Sample:
MCF-7 (Human) Cell Lysate at 40 µg
LOVO (Human) CellLysate at 40 µg
A549 (Human) CellLysate at 40 µg
Primary: Anti-TAZ (TMAB-01810) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution
Predicted band size: 44 kDa
Observed band size: 46 kDa
4. Blank control: A549. Primary Antibody (green line): Rabbit Anti-TAZ antibody (TMAB-01810) Dilution: 1 µg/10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-PE Dilution: 3 µg/test. Protocol The cells were fixed with 4% PFA (10 min 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 room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.
5. Sample:
Lane 1: Kidney (Mouse) Lysate at 40 µg
Lane 2: Kidney (Rat) Lysate at 40 µg
Primary:
Anti-TAZ (TMAB-01810) at 1/1000 dilution
Anti-beta-Actin at 1/2000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 50-55 kDa
Observed band size: 52 kDa

Verified Activity:



Application: FCM,IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 3ug/test

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human TAZ
Antigen Species:	Human
Gene ID:	25937
Uniprot ID:	Q9GZV5
Synonyms:	WWTR1;WW domain containing transcription regulator 1;WW domain containing transcription regulator protein 1;Transcriptional coactivator with PDZ binding motif;WWTR 1;Transcriptional co activator with PDZ binding motif

Research 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.

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