

TAZ (N-20): sc-17130

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.

CHROMOSOMAL LOCATION

Genetic locus: WWTR1 (human) mapping to 3q25.1; Wwtr1 (mouse) mapping to 3 D.

SOURCE

TAZ (N-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of TAZ of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-17130 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

APPLICATIONS

TAZ (N-20) is recommended for detection of TAZ of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

TAZ (N-20) is also recommended for detection of TAZ in additional species, including canine, bovine and porcine.

Suitable for use as control antibody for TAZ siRNA (h): sc-38568, TAZ siRNA (m): sc-38569, TAZ shRNA Plasmid (h): sc-38568-SH, TAZ shRNA Plasmid (m): sc-38569-SH, TAZ shRNA (h) Lentiviral Particles: sc-38568-V and TAZ shRNA (m) Lentiviral Particles: sc-38569-V.

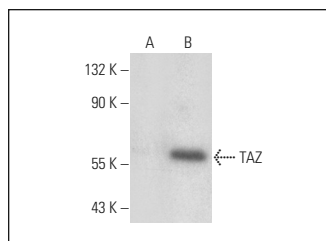
Molecular Weight of TAZ: 45 kDa.

Positive Controls: TAZ (h): 293T Lysate: sc-170455 or HeLa whole cell lysate: sc-2200.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



TAZ (N-20): sc-17130. Western blot analysis of TAZ expression in non-transfected 293T: sc-117752 (A) and human TAZ transfected 293T: sc-170455 (B) whole cell lysates.

SELECT PRODUCT CITATIONS

1. Park, K.S., et al. 2004. TAZ interacts with TTF-1 and regulates expression of surfactant protein C. *J. Biol. Chem.* 279: 17384-17390.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

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Try **TAZ (1F1): sc-293183**, our highly recommended monoclonal alternative to TAZ (N-20).