

# TAZ Antibody

✓ 100 µl  
(10 western mini-blot)

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This product is for *in vitro* research use only and is not intended for use in humans or animals.  
This product is not intended for use as a therapeutic or in diagnostic procedures.

Entrez-Gene ID #9606  
Swiss-Prot Acc. #Q9GZV5

| Applications<br>W<br>Endogenous | Species Cross-Reactivity*<br>H | Molecular Wt.<br>50 kDa | Source<br>Rabbit** |
|---------------------------------|--------------------------------|-------------------------|--------------------|
|---------------------------------|--------------------------------|-------------------------|--------------------|

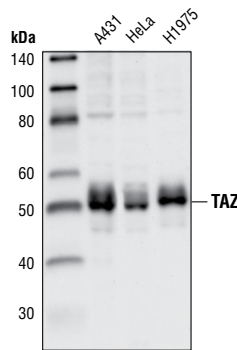
**Background:** TAZ is a transcriptional co-activator with a PDZ-binding motif that is regulated by its interaction with 14-3-3 proteins (1). TAZ shares homology with the WW domain of Yes-associated protein (YAP) (1). TAZ is proposed to modulate the switch between proliferation and differentiation of mesenchymal stem cells (MSC) via interaction with transcription factors Runx2 and PPARγ. This process is critical to normal tissue development and the prevention of tumor formation. Due to its role in determination of MSC fate, TAZ may have clinical relevance to several human diseases caused by an imbalance of MSC differentiation (2,3). TAZ appears to be negatively regulated by LATS tumor suppressor kinase, a component of the Hippo pathway that controls tissue growth and tumor development (4).

**Specificity/Sensitivity:** TAZ Antibody detects endogenous levels of total TAZ protein.

**Source/Purification:** Polyclonal antibodies are produced by immunizing rabbits with a synthetic peptide (KLH-coupled) corresponding to amino acids surrounding Ala200 of mouse TAZ. Antibodies are purified by protein A and peptide affinity chromatography.

**Background References:**

- (1) Kanai, F. et al. (2000) *EMBO J* 19, 6778-91.
- (2) Hong, J.H. et al. (2005) *Science* 309, 1074-8.
- (3) Hong, J.H. and Yaffe, M.B. (2006) *Cell Cycle* 5, 176-9.
- (4) Lei, Q.Y. et al. (2008) *Mol Cell Biol* 28, 2426-36.



Western blot analysis of extracts of A431, HeLa and H1975 cells using TAZ Antibody.

**Storage:** Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

\*Species cross-reactivity is determined by western blot.

\*\*Anti-rabbit secondary antibodies must be used to detect this antibody.

**Recommended Antibody Dilutions:**

Western blotting 1:1000

For application specific protocols please see the web page for this product at [www.cellsignal.com](http://www.cellsignal.com).

Please visit [www.cellsignal.com](http://www.cellsignal.com) for a complete listing of recommended companion products.

**IMPORTANT:** For Western blots, incubate membrane with diluted antibody in 5% w/v BSA, 1X TBS, 0.1% Tween-20 at 4°C with gentle shaking, overnight.