

Store at  
-20°C

#56674

# YAP/TAZ Transcriptional Targets Antibody Sampler Kit



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New 04/18

**For Research Use Only. Not For Use In Diagnostic Procedures.**

Products Included	Product #	Quantity	Mol. Wt.	Isotype
CTGF (D8Z8U) Rabbit mAb	86641	20 µl	35 kDa	Rabbit IgG
CYR61 (D4H5D) XP® Rabbit mAb	14479	20 µl	41 kDa	Rabbit IgG
IGFBP3 (D1U9C) Rabbit mAb	25864	20 µl	40 kDa	Rabbit IgG
Integrin beta-2 (D4N5Z) Rabbit mAb	73663	20 µl	95 kDa	Rabbit IgG
Survivin (71G4B7) Rabbit mAb	2808	20 µl	16 kDa	Rabbit IgG
Axl (C89E7) Rabbit mAb	8661	20 µl	138 kDa	Rabbit IgG
Pan-TEAD (D3F7L) Rabbit mAb	13295	20 µl	50, 53, 55, 60 kDa	Rabbit IgG
Lamin B2 (D8P3U) Rabbit mAb	12255	20 µl	68 kDa	Rabbit IgG
Anti-Rabbit IgG, HRP-linked Antibody	7074	100 µl		Goat

See [www.cellsignal.com](http://www.cellsignal.com) for individual component applications, species cross-reactivity, dilutions and additional application protocols.

**Description:** The YAP/TAZ Transcriptional Targets Antibody Sampler Kit provides an economical means of detecting proteins whose transcription is reportedly subject to regulation by the transcriptional co-activators YAP and/or TAZ. The kit provides enough antibody to perform two western blot experiments with each primary antibody.

**Background:** YAP and TAZ (WWTR1) are transcriptional co-activators that play a central role in the Hippo Signaling pathway that regulates cell, tissue and organ growth. Under growth conditions, YAP and TAZ are localized in the nucleus, where they interact with transcription factors, namely Transcriptional Enhanced Activation Domain (TEAD) proteins to regulate the expression of genes that control proliferation and cell survival (1). Numerous genes have been experimentally confirmed as targets of regulation by YAP and TAZ. These include the extracellular matrix proteins CTGF (2), CYR61 (3), and integrin β2 (4), the inhibitor of apoptosis protein (IAP) survivin (5), the mechano-sensitive nuclear envelope protein Lamin B2 (6), and the oncogenic receptor tyrosine kinase Axl (7).

**Specificity/Sensitivity:** Each antibody in the YAP/TAZ Transcriptional Targets Antibody Sampler Kit detects endogenous levels of its target protein. Pan-TEAD (D3F7L) Rabbit mAb was shown to react with TEAD1, 2, 3 and 4 using protein-specific transfected cell extracts.

**Source/Purification:** Monoclonal antibodies are produced by immunizing rabbits with synthetic peptides corresponding to residues Gly54 of human TEAD1, Val174 of human CTGF, Pro171 of human CYR61, Leu49 of human Integrin β2, Lys435 of human lamin B2, Cys60 of human survivin, and recombinant protein fragments corresponding to human Axl, and the amino terminus of human IGFBP3.

**Storage:** Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

#### Background References:

- (1) Holden, J.K. and Cunningham, C.N. (2018) *Cancers (Basel)* 10.
- (2) Zhang, H. et al. (2009) *J Biol Chem* 284, 13355-62.
- (3) Chan, S.W. et al. (2011) *J Biol Chem* 286, 7018-26.
- (4) Chan, S.W. et al. (2011) *Oncogene* 30, 600-10.
- (5) Zhang, W. et al. (2015) *Cancer Res* 75, 4450-7.
- (6) Zancanato, F. et al. (2015) *Nat Cell Biol* 17, 1218-27.
- (7) Cui, Z.L. et al. *Int J Immunopathol Pharmacol* 25, 989-1001.

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**Applications:** W—Western IP—Immunoprecipitation IHC—Immunohistochemistry ChIP—Chromatin Immunoprecipitation IF—Immunofluorescence F—Flow cytometry E-P—ELISA-Peptide **Species Cross-Reactivity:** H—human M—mouse R—rat Hm—hamster Mk—monkey Mi—mink C—chicken Dm—D. melanogaster X—Xenopus Z—zebrafish B—bovine Dg—dog Pg—pig S—S. cerevisiae Ce—C. elegans Hr—Horse All—all species expected Species enclosed in parentheses are predicted to react based on 100% homology.