Phospho-YAP (Ser397) (D1E7Y) Rabbit mAb



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Applications: W, IP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 65-78	Source/Isotype: Rabbit IgG	UniProt ID: #P46937	Entrez-Gene Id: 10413
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:100	
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.				
		For a carrier free (BSA and azide free) version of this product see product #50413.				
Specificity/Sensitivity		Phospho-YAP (Ser397) Rabbit mAb recognizes endogenous levels of YAP protein only when phosphorylated at Ser397. This residue corresponds to Ser381 of YAP isoform 2, as reported by Zhao, B. et al. (2010) <i>Genes Dev</i> 24, 72-85 (9).				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Ser397 of human YAP protein isoform 1.				
Background		domain of Yes. It also In addition to the SH3 WW domains (2-4). Wh specific subcellular coactivator by virtue of it PEBP2 and other transwidely recognized as a conserved role in reguser109, Ser127) by LAT it is sequestered throuevents serve to prime triggering proteasome Phosphorylation of YA phosphorylation by Ch	binds to other SH3 binding motif, YAP bile initial studies of mpartments, subsets WW domain intescription factors (5) a central mediator of slating tissue growth association with YAP for subsequental degradation of Y.P at Ser397 (annotation) and Jacen its the β-TrCP (SCF)	ated as Ser381 by Zhao e t phosphodegron (9). Up ubiquitin ligase comple	teins such as Nck, Coinn motif, a coiled-coinn motif, a coiled-coinn ar role in anchoring that YAP is a transcrif (PPxY) of the transcrif (PPxY) of the transcriptional co-active hich plays a fundant the nucleus to the hese LATS-driven point an adjacent et al. 2010) primes to phosphorylatio	rk, Src, and Abl (1). coil domain, and g and targeting to iptional co- scription factor ator, YAP is now mental and widely multiple sites (e.g., e cytoplasm, where hosphorylation phosphodegron, (AP for subsequent n, the
Background References		 Sudol, M. (1994) Oncogene 9, 2145-52. Mohler, P.J. et al. (1999) J Cell Biol 147, 879-90. Espanel, X. and Sudol, M. (2001) J Biol Chem 276, 14514-23. Sudol, M. et al. (1995) FEBS Lett 369, 67-71. Yagi, R. et al. (1999) EMBO J 18, 2551-62. Dong, J. et al. (2007) Cell 130, 1120-33. Zhao, B. et al. (2010) Genes Dev 24, 862-74. Zhao, B. et al. (2007) Genes Dev 21, 2747-61. Yu, F.X. et al. (2012) Cell 150, 780-91. Zhao, B. et al. (2010) Genes Dev 24, 72-85. Zhao, B. et al. (2010) Genes Dev 24, 72-85. 				

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

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

Applications Key

W: Western Blotting **IP:** Immunoprecipitation

Cross-Reactivity Key H: Human M: Mouse R: Rat

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