

16931

Phospho-YAP (Ser109) Antibody



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Applications: W, IP	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 65-78	Source/Isotype: Rabbit	UniProt ID: #P46937	Entrez-Gene Id: 10413
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:50	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Phospho-YAP (Ser109) Antibody recognizes endogenous levels of YAP protein only when phosphorylated at Ser109. Based on sequence similarity, the antibody may recognize TAZ protein when phosphorylated at Ser66.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Ser109 of human YAP protein. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		domain of Yes. It also be In addition to the SH3 WW domains (2-4). Whe specific subcellular correction activator by virtue of it PEBP2 and other transwidely recognized as a conserved role in reguser109, Ser127) by LAT it is sequestered throu	binds to other SH3 binding motif, YAP tile initial studies of mpartments, subsects SWW domain inte ecription factors (5) central mediator of lating tissue growth Skinases promote gh association with YAP for subsequent	First identified based on domain-containing professor contains a PDZ interact fyAP all pointed towards equent studies showed tracting with the PY moti. In its capacity as a tranof the Hippo Pathway, with and organ size (6-8). First YAP translocation from the 14-3-3 proteins (7-9). Tot phosphorylation by CKAP (10).	teins such as Nck, C ion motif, a coiled-o s a role in anchorin that YAP is a transcr f (PPxY) of the trans scriptional co-activ thich plays a fundar thosphorylation at the these LATS-driven p	crk, Src, and Abl (1). coil domain, and g and targeting to iptional co-scription factor ator, YAP is now nental and widely multiple sites (e.g., e cytoplasm, where hosphorylation
Background References		1. Sudol, M. (1994) <i>Oncogene</i> 9, 2145-52. 2. Mohler, P.J. et al. (1999) <i>J Cell Biol</i> 147, 879-90. 3. Espanel, X. and Sudol, M. (2001) <i>J Biol Chem</i> 276, 14514-23. 4. Sudol, M. et al. (1995) <i>FEBS Lett</i> 369, 67-71. 5. Yagi, R. et al. (1999) <i>EMBO J</i> 18, 2551-62. 6. Dong, J. et al. (2007) <i>Cell</i> 130, 1120-33. 7. Zhao, B. et al. (2010) <i>Genes Dev</i> 24, 862-74. 8. Zhao, B. et al. (2007) <i>Gell</i> 150, 780-91. 10. Zhao, B. et al. (2010) <i>Genes Dev</i> 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 Mk: Monkey

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