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Revision 9						
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Applications: W, W-S, IP, IHC- Bond, IHC-P, IF-F, IF-IC, FC-FP, ChIP, ChIP-seq, C&R	Reactivity: H M R Hm Mk	Sensitivity: Endogenous	MW (kDa): 65-78	Source/Isotype: Rabbit IgG	UniProt ID: #P46937	Entrez-Gene Id: 10413
Product Usage Information		For optimal ChIP and (10 ⁶ cells) per IP. This a		e 10 μl of antibody and alidated using SimpleC		
Storage	- 1411 - 14	0.02% sodium azide. S For a carrier free (BSA	ry (Paraffin) (Frozen) (Immunocytochem /Permeabilized) dium HEPES (pH 7.5 tore at –20°C. Do ne and azide free) vers	istry)), 150 mM NaCl, 100 µg ot aliquot the antibody sion of this product see	נ 1 1 1 1 1 1 1 1 2 7ml BSA, 50% glyc י • • • • • • • • • • • • • • • • • •	
Specificity/Sen Species predict	2	YAP (D8H1X) XP [®] Rabb of membrane within fi Bovine, Horse, Guinea	xed frozen mouse s	endogenous levels of t small intestine may be		
based on 100% homology	sequence					
Source / Purific	cation	Monoclonal antibody is produced by immunizing animals with recombinant protein specific to the carboxy terminus of human YAP protein. The epitope corresponds to a region surrounding Pro435 of human YAP isoform 1. This sequence region is 100% conserved among all known isoforms of human YAP protein.				
Background		YAP (Yes-associated protein, YAP65) was first identified based on its ability to associate with the SH3 domain of Yes. It also binds to other SH3 domain-containing proteins such as Nck, Crk, Src, and Abl (1). In addition to the SH3 binding motif, YAP contains a PDZ interaction motif, a coiled-coil domain, and WW domains (2-4). While initial studies of YAP all pointed towards a role in anchoring and targeting to specific subcellular compartments, subsequent studies showed that YAP is a transcriptional co-activator by virtue of its WW domain interacting with the PY motif (PPxY) of the transcription factor PEBP2 and other transcription factors (5). In its capacity as a transcriptional co-activator, YAP is now widely recognized as a central mediator of the Hippo Pathway, which plays a fundamental and widely conserved role in regulating tissue growth and organ size (6-8). Phosphorylation at multiple sites (e.g., Ser109, Ser127) by LATS kinases promotes YAP translocation from the nucleus to the cytoplasm, where it is sequestered through association with 14-3-3 proteins (7-9). These LATS-driven phosphorylation events serve to prime YAP for subsequent phosphorylation by CK18/ε in an adjacent phosphodegron, triggering proteasomal degradation of YAP (10).				
Background Re	eferences	1. Sudol, M. (1994) <i>On</i> 2. Mohler, P.J. et al. (19		79-90.		

	 Spanel, X. and Sudol, M. (2001) <i>J Biol Chem</i> 276, 14514-23. Sudol, M. et al. (1995) <i>FEBS Lett</i> 369, 67-71. Yagi, R. et al. (1999) <i>EMBO J</i> 18, 2551-62. Dong, J. et al. (2007) <i>Cell</i> 130, 1120-33. Zhao, B. et al. (2010) <i>Genes Dev</i> 24, 862-74. Zhao, B. et al. (2007) <i>Genes Dev</i> 21, 2747-61. Yu, F.X. et al. (2012) <i>Cell</i> 150, 780-91. 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 W-S: Simple Western [™] IP: Immunoprecipitation IHC-Bond: IHC Leica Bond IHC-P: Immunohistochemistry (Paraffin) IF-F: Immunofluorescence (Frozen) IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized) ChIP: Chromatin IP ChIP-seq: Chromatin IP-seq C&R: CUT&RUN		
Cross-Reactivity Key	H: Human M: Mouse R: Rat Hm: Hamster Mk: Monkey		
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