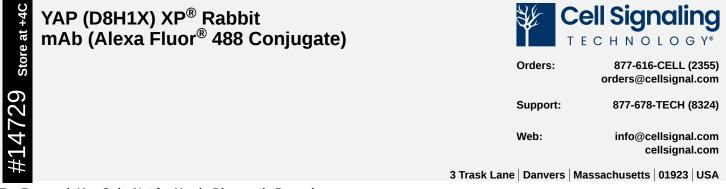
Revision 4



For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: IF-IC, FC-FP	Reactivity: H M R Hm Mk	Sensitivity: Endogenous	Source/Isotype: Rabbit IgG	UniProt ID: #P46937	Entrez-Gene Id: 10413	
Product Usage Information		Application Immunofluorescence (Immunocytochemistry)			Dilution 1:200 - 1:800	
	Flov	v Cytometry (Fixed	d/Permeabilized)	1:50		
Storage		Supplied in PBS (pH 7.2), less than 0.1% sodium azide and 2 mg/ml BSA. Store at 4°C. Do not aliquot the antibody. Protect from light. Do not freeze.				
Specificity / Sensit		YAP (D8H1X) XP $^{\textcircled{B}}$ Rabbit mAb (Alexa Fluor $^{\textcircled{B}}$ 488 Conjugate) recognizes endogenous levels of total YAP protein.				
Species predicted react based on 100 sequence homolog	0%	Bovine, Horse, Guinea Pig				
Source / Purificatio	termi	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.				
Product Description		This Cell Signaling Technology antibody is conjugated to Alexa Fluor [®] 488 fluorescent dye and tested in- house for direct flow cytometric analysis in human cells. This antibody is expected to exhibit the same species cross-reactivity as the unconjugated YAP (D8H1X) XP [®] Rabbit mAb #14074.				
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 CK1 δ/ϵ in an adjacent phosphodegron, triggering proteasomal degradation of YAP (10).				
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. (2012) Cell 150, 780-91. Yu, F.X. et al. (2010) Genes Dev 24, 72-85. 				

Species Reactivity

1/7/24, 11:31 AM	YAP (D8H1X) XP® Rabbit mAb (Alexa Fluor® 488 Conjugate) (#14729) Datasheet Without Images Cell Si
	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Applications Ke	y IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized)
Cross-Reactivity	 H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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