Product Data Sheet:
YAP

Cat. No:	MAB-94469
Size:	100µg
Clone:	D8H1X
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Reactivity:	Hu,Ms,Rt
Applications:	Western blotting 1:1000 Immunoprecipitation 1:20-1:50 Immunohistochemistry (Paraffin) Unmasking buffer: Immunofluorescence IF Size: 100 ug Concentration: 1mg/ml Clone: D8H1X 1:50-1:200 1:50-1:200
Molecular Weight:	65-75 kDa
Purification:	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 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 coactivator by virtue of its WW domain interacting with the PY motif (PPxY) of the transcription factor PEBP2 and other transcription factors (5,6). In its capacity as a transcriptional coactivator, 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. Upon phosphorylation at Ser127 by LATS1/2 kinases, YAP translocates to the cytoplasm, where it is sequestered through association with 14-3-3 proteins in an Akt-dependent manner (6-8).YAP (D8H1X) XP® Rabbit mAb recognizes endogenous levels of total YAP protein.
Form:	Liquid
Buffer:	PBS with 0.02%sodium azide, 50% glycerol, pH7.3.

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