

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.

**For Research use only
IMMUNOLOGICAL SCIENCES**