Phospho-YAP (Ser127) Antibody

Storage: Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at –20°C. Do not aliquot the antibody.

**Species cross-reactivity is determined by western blot.

**Anti-rabbit secondary antibodies must be used to detect this antibody.

Recommended Antibody Dilutions:
Western Blotting 1:1000

For application specific protocols please see the web page for this product at www.cellsignal.com.
Please visit www.cellsignal.com for a complete listing of recommended companion products.

**Applications**

**Species Cross-Reactivity**

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<th>Applications</th>
<th>Species Cross-Reactivity*</th>
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<td>W Endogenous</td>
<td>H, M, R, (Mk, B)</td>
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**Molecular Wt.**

65-75 kDa

**Source**

Rabbit

**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 show 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 (5-6). YAP interacts with 14-3-3 in an Akt-dependent manner upon phosphorylation of Ser127 and suppresses p73-mediated apoptosis (6).

**Specificity/Sensitivity:** Phospho-YAP (Ser127) Antibody detects endogenous levels of YAP only when phosphorylated at serine 127. This antibody may cross-react with phospho-TAZ (Ser89).

**Source/Purification:** Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Ser127 of human YAP. Antibodies are purified by protein A and peptide affinity chromatography.

**Background References:**


**Recommended Antibody Dilutions:**
Western Blotting 1:1000

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**IMPORTANT:** For western blots, incubate membrane with diluted antibody in 5% w/v BSA, 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.

**Applications Key:**

W—Western, IP—Immunoprecipitation, IHC—Immunohistochemistry, ChIP—Chromatin Immunoprecipitation, IF—Immunofluorescence, F—Flow cytometry, E-P—ELISA-Peptide

Species Cross-Reactivity Key:

H—human, M—mouse, R—rat, Hm—hamster, Mk—monkey, 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, All—all species expected. Species enclosed in parentheses are predicted to react based on 100% homology.

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