

YAP clone 63-7

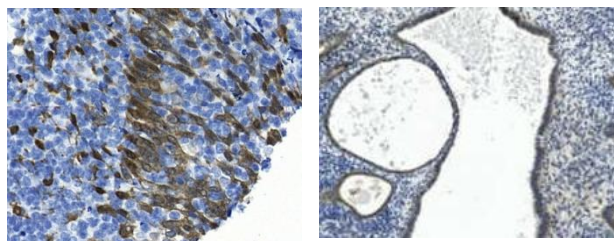
Instructions for Use

Specification:

The Yes-associated protein, otherwise known as YAP, is a 14-3-3 binding molecule that was originally recognized by virtue of its ability to bind to the SH3 domain of Yes. The binding of YAP to 14-3-3 requires the phosphorylation of a homologous serine residue (Ser 112) in the YAP 14-3-3 binding motif. The highly conserved and ubiquitously expressed 14-3-3 proteins regulate differentiation, cell cycle progression and apoptosis by binding intracellular phosphoproteins involved in signal transduction. YAP may link events at the plasma membrane and cytoskeleton to inhibition of transcription in the nucleus in a manner regulated by 14-3-3 proteins. YAP shares homology with the WW domain of TAZ, transcriptional co-activator with PDZ binding motif, which functions as a transcriptional co-activator by binding to the PPXY motif present in transcription factors. YAP is expressed at high levels in the lung, placenta, prostate, ovary and testis.

Availability:

Catalog No.	Contents	Volume
ILM3920-C01	YAP clone 63-7	0,1 ml concentrate
ILM3920-C05	YAP clone 63-7	0,5 ml concentrate
ILM3920-C1	YAP clone 63-7	1,0 ml concentrate



Intended use: For Research Use Only

Reactivity: Human

Clone: 63-7

Species of origin: Mouse

Isotype: IgG_{2a}

Control Tissue: lung, placenta, prostate, ovary or testis

Staining: Nuclear

Immunogen: Recombinant YAP of human origin

Presentation: YAP1 in PBS with less than 0.1% sodium azide and 0.1% gelatin

Application and suggested dilutions:

Pretreatment: Heat induced epitope retrieval in 10 mM citrate buffer, pH6.0, for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution up to 1:500 / 1:1000)

The optimal dilution for a specific application should be determined by the investigator.

Note: Dilution of the antibody in 10% normal goat serum followed by a goat anti-mouse secondary antibody-based detection is recommended.

Storage & Stability: Store at 2-8 °C. Do not Freeze. Do not use after expiration date printed on the vial.

References:

- 1) Ren, Y.R., et al. 2011. S, J. Biol. Chem. 286: 11960-11969.
- 2) Ellison, D.W., et al. 2011. Acta Neuropathol. 121: 381-396.
- 3) Cordenonsi, M., et al. 2011. Cell 147: 759-772.
- 4) Ren, Y.R., et al. 2012. J. Proteome Res. 11: 5301-5310.
- 5) Vigneron, A.M. and Vousden, K.H. 2012. EMBO J. 31: 471-480.
- 6) Michaloglou, C., et al. 2013. PLoS ONE 8: e61916.
- 7) Wang, J., et al. 2013. Hepatology 58: 1011-1020.