

## YAP1 Polyclonal Antibody Cy3 Conjugated

Catalog No: #C04812Cy3

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## Description

Product Name	YAP1 Polyclonal Antibody Cy3 Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IF(IHC-P)
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 230-280 504 derived from human YAP1
Conjugates	Cy3
Target Name	YAP1
Other Names	YAP; YKI; COB1; YAP2; YAP65; Transcriptional coactivator YAP1; Yes-associated protein 1; Protein yorkie homolog; Yes-associated protein YAP65 homolog; YAP1
Accession No.	Swiss-Prot#:P46937NCBI Gene ID:10413
Cell Localization	Cytoplasm, Nucleus
Concentration	1mg ml
Formulation	Aqueous buffered solution containing 1% BSA, 50% glycerol and 0.09% sodium azide.
Storage	Store at 4C for 12 months.

## Application Details

IF:1:50-200

## Background

Transcriptional regulator which can act both as a coactivator and a corepressor and is the critical downstream regulatory target in the Hippo signaling pathway that plays a pivotal role in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein STK3 MST2 and STK4 MST1, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1 2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1 TAZ. Plays a key role to control cell proliferation in response to cell contact. Phosphorylation of YAP1 by LATS1 2 inhibits its translocation into the nucleus to regulate cellular genes important for cell proliferation, cell death, and cell migration. The presence of TEAD transcription factors are required for it to stimulate gene expression, cell growth, anchorage-independent growth, and epithelial mesenchymal transition (EMT) induction. Isoform 2 and isoform 3 can activate the C-terminal fragment (CTF) of ERBB4 (isoform 3).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.