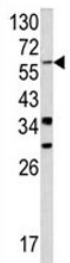
YAP Antibody (F49693)

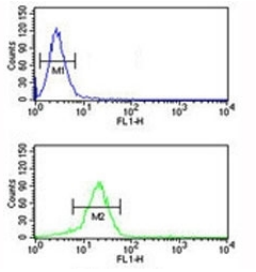
Catalog No.	Formulation	Size
F49693-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F49693-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P46937
Applications	Western Blot : 1:1000 Flow Cytometry : 1:10-1:50
Limitations	This YAP antibody is available for research use only.



Western blot analysis of YAP antibody and NCI-H460 lysate. Predicted molecular weight ~54 kDa but routinely observed at 65-70 kDa.



YAP antibody flow cytometric analysis of NCI-H460 cells (bottom histogram) compared to a negative control (top histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Description

YAP is a 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. [UniProt]

Application Notes

Titration of the YAP antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 420-446 from human YAP1 was used as the immunogen for this YAP antibody.

Storage

Aliquot the YAP antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.