Recombinant Phospho-YAP1 (Ser127) Monoclonal Antibody

catalog number: **AN302080L**

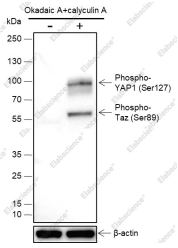
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	phosphorylated human YAP1 (Ser1270) peptide
Host	Rabbit
Isotype	Rabbit IgG
Clone	C311701
Purification	Protein A affinity purification
Conjugation	Unconjugated
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:100-1:200
IF	1:50
FCM	1:50-1:100

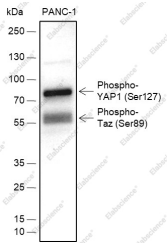
Data



Western Blot with Phospho-YAP1 (Ser127) Monoclonal Antibody at dilution of 1:2000. (-): HeLa, (+): HeLa+Okadaic A+ calyculin A (100 nM, 60 min)

Observed-MW:70-100 kDa

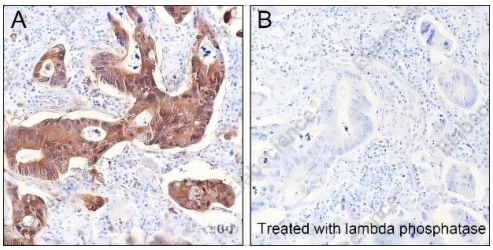
Calculated-MW:54 kDa



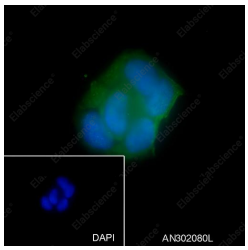
Western Blot with Phospho-YAP1 (Ser127) Monoclonal Antibody at dilution of 1:2000. Lane 1: PANC-1

Observed-MW:70-100 kDa

Calculated-MW:54 kDa

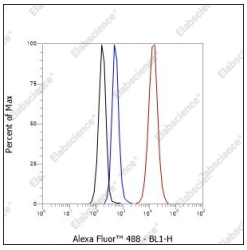


Immunohistochemistry of paraffin-embedded Human colon cancer using Phospho-YAP1 (Ser127) Monoclonal Antibody at dilution of 1:200.



Immunofluorescent analysis of (4% Paraformaldehyde) fixed MCF-7 cells using anti-Phospho-YAP1 (Ser127) Monoclonal Antibody at dilution of 1:50.

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Flow cytometric analysis of human Phospho-YAP1 (Ser127) expression on PANC-1 cells. Cells were stained with purified anti-Human Phospho-YAP1 (Ser127), then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze/thaw cycles.
Shipping	Ice bag

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 MST1/MST2, 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. 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.

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