

Datasheet for ABIN7172751  
**anti-YAP1 antibody (AA 155-504)**



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2 Images

## Overview

Quantity:	100 µL
Target:	YAP1
Binding Specificity:	AA 155-504
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This YAP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human Transcriptional coactivator YAP1 protein (155-504AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	YAP1
Alternative Name:	YAP1 ( <a href="#">YAP1 Products</a> )
Background:	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

## Target Details

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pivotal role in organ size control and tumor suppression by restricting proliferation and promoting apoptosis (PubMed:17974916, PubMed:18280240, PubMed:18579750, PubMed:21364637). 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 (PubMed:18158288). Plays a key role in tissue tension and 3D tissue shape by regulating cortical actomyosin network formation. Acts via ARHGAP18, a Rho GTPase activating protein that suppresses F-actin polymerization (PubMed:25778702). 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 (PubMed:18158288). 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 (PubMed:18579750).

Aliases: 65 kDa Yes associated protein antibody, 65 kDa Yes-associated protein antibody, COB1 antibody, YAp 1 antibody, YAP 65 antibody, YAP antibody, YAP-1 antibody, YAP1 antibody, YAP1\_HUMAN antibody, YAP2 antibody, YAP65 antibody, yes -associated protein delta antibody, Yes associated protein 1 65 kDa antibody, Yes associated protein 1 antibody, Yes associated protein 2 antibody, yes associated protein beta antibody, YKI antibody, Yorkie homolog antibody

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UniProt: [P46937](#)

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Pathways: [MAPK Signaling](#), [Stem Cell Maintenance](#), [Regulation of Lipid Metabolism by PPARalpha](#)

## Application Details

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Application Notes: Recommended dilution: WB:1:1000-1:5000, IF:1:100-1:500,

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be

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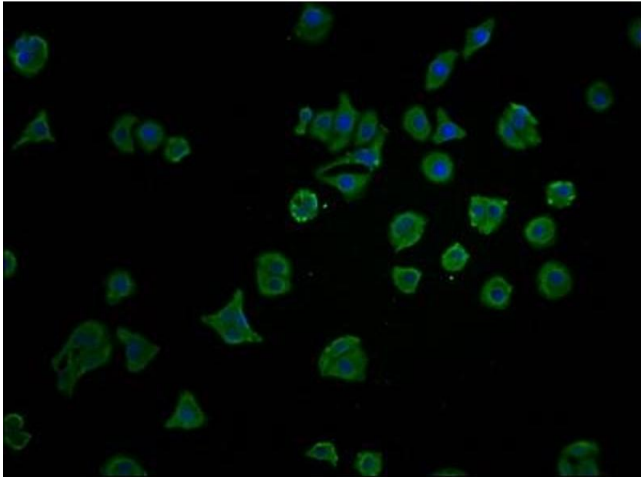
## Handling

handled by trained staff only.

Storage: -20 °C,-80 °C

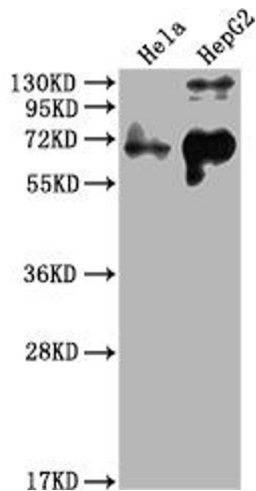
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

## Images



### Immunofluorescence

**Image 1.** Immunofluorescence staining of HepG2 cells with ABIN7172751 at 1:100, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



### Western Blotting

**Image 2.** Western Blot Positive WB detected in: HeLa whole cell lysate, HepG2 whole cell lysate All lanes: YAP1 antibody at 1:2000 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 55, 53, 49, 37, 49, 50, 51, 54 kDa Observed band size: 65 kDa