

# [KO Validated] YAP1 Rabbit mAb

Catalog No.: A21216

**KO Validated**

**Recombinant**

**10 Publications**

## Basic Information

### Observed MW

70kDa

### Calculated MW

54kDa

### Category

Primary antibody

### Applications

WB, IHC-P, IF/ICC, IP, ELISA, ChIP

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC53479

## Background

This gene encodes a downstream nuclear effector of the Hippo signaling pathway which is involved in development, growth, repair, and homeostasis. This gene is known to play a role in the development and progression of multiple cancers as a transcriptional regulator of this signaling pathway and may function as a potential target for cancer treatment. Alternative splicing results in multiple transcript variants encoding different isoforms.

## Recommended Dilutions

**WB** 1:20000 - 1:80000

**IHC-P** 1:200 - 1:800

**IF/ICC** 1:200 - 1:800

**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells

**ELISA** Recommended starting  
concentration is 1 µg/mL.  
Please optimize the  
concentration based on  
your specific assay  
requirements.

**ChIP** 5µg antibody for  
10µg-15µg of Chromatin

## Immunogen Information

### Gene ID

10413

### Swiss Prot

P46937

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

YAP; YKI; COB1; YAP2; YAP-1; YAP65; P1

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Contact

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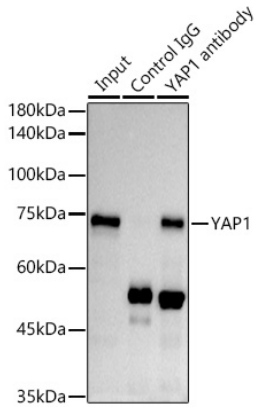
 | 400-999-6126

 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

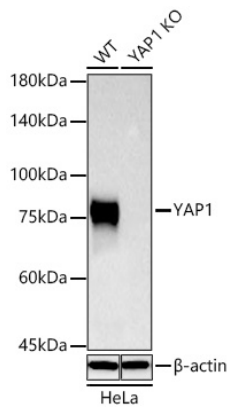
 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

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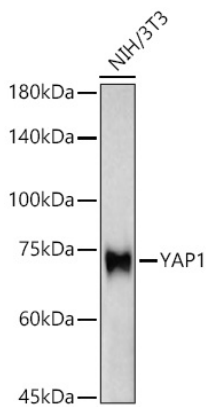
## Validation Data



Immunoprecipitation analysis of 300 µg extracts of HeLa cells using 3 µg YAP1 antibody (A21216). Western blot was performed from the immunoprecipitate using [KO Validated] YAP1 Rabbit mAb (A21216) at a dilution of 1:2000.

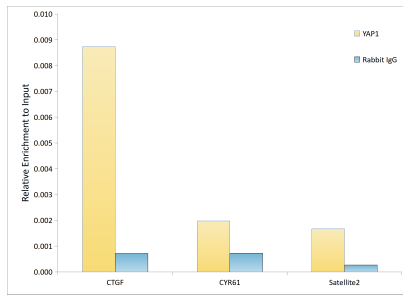


Western blot analysis of lysates from wild type (WT) and YAP1 knockout (KO) HeLa cells using [KO Validated] YAP1 Rabbit mAb (A21216) at 1:20000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.

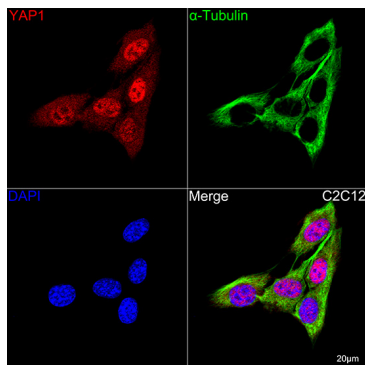


Western blot analysis of lysates from NIH/3T3 cells using [KO Validated] YAP1 Rabbit mAb (A21216) at 1:20000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.

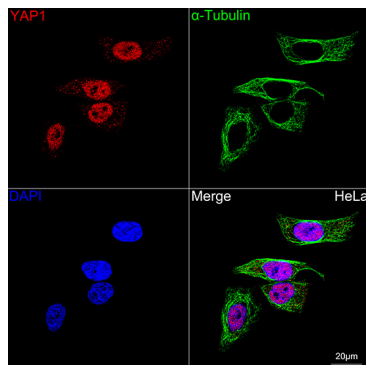
## Validation Data



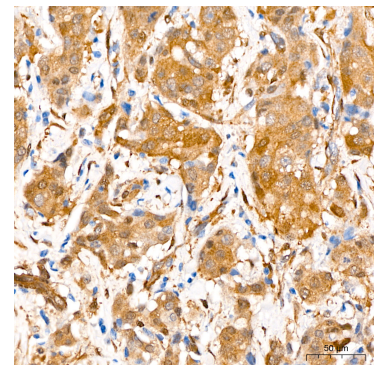
Chromatin immunoprecipitation analysis of extracts of HeLa cells, using [KO Validated] YAP1 Rabbit mAb (A21216) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



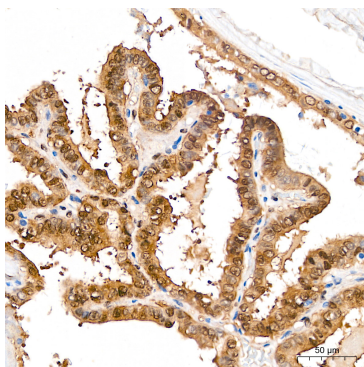
Confocal imaging of C2C12 cells using [KO Validated] YAP1 Rabbit mAb (A21216, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with  $\alpha$ -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



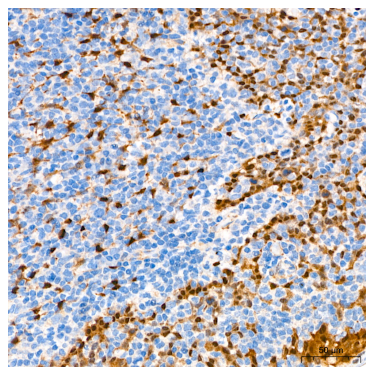
Confocal imaging of HeLa cells using [KO Validated] YAP1 Rabbit mAb (A21216, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with  $\alpha$ -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



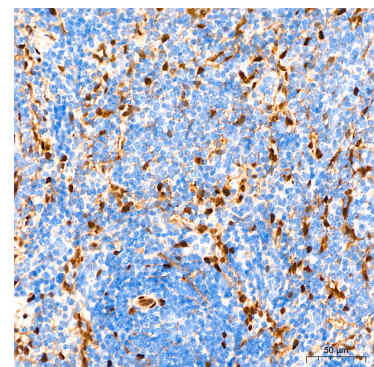
Immunohistochemistry analysis of paraffin-embedded human breast cancer tissue using [KO Validated] YAP1 Rabbit mAb (A21216) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded human thyroid cancer tissue using [KO Validated] YAP1 Rabbit mAb (A21216) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



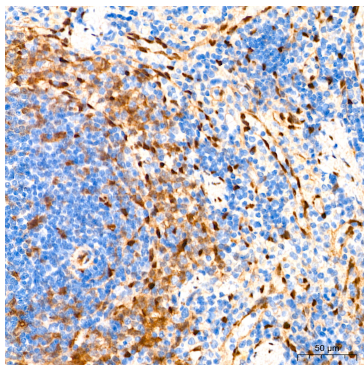
Immunohistochemistry analysis of paraffin-embedded human tonsil tissue using [KO Validated] YAP1 Rabbit mAb (A21216) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded mouse spleen tissue using [KO Validated] YAP1 Rabbit mAb (A21216) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.

## Validation Data

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Immunohistochemistry analysis of paraffin-embedded rat spleen tissue using [KO Validated] YAP1 Rabbit mAb (A21216) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.