

# [KO Validated] YAP1 Rabbit mAb

Catalog No.: A22650 **KO Validated** **Recombinant**

## Basic Information

### Observed MW

70kDa

### Calculated MW

54kDa

### Category

Primary antibody

### Applications

WB,IP,ELISA,CHIP,CUT&Tag

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC53469

## 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** 1:4000 - 1:24000

**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

**CUT&Tag** 10<sup>5</sup> cells /1 µg

## Contact

☎ | 400-999-6126

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

## 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.

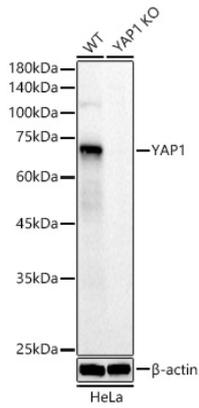
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



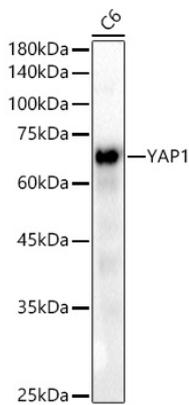
| [www.abclonal.com.cn](http://www.abclonal.com.cn)

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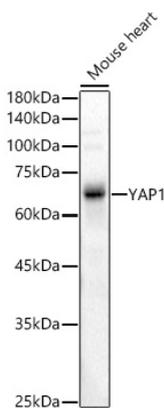
## Validation Data



Western blot analysis of lysates from wild type (WT) and YAP1 knockout (KO) HeLa cells, using [KO Validated] YAP1 Rabbit mAb (A22650) at 1:4000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 10s.

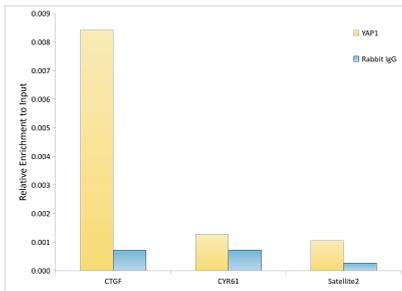


Western blot analysis of lysates from C6 cells, using [KO Validated] YAP1 Rabbit mAb (A22650) at 1:4000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 10s.

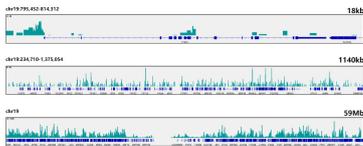


Western blot analysis of lysates from Mouse heart, using [KO Validated] YAP1 Rabbit mAb (A22650) at 1:4000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 30s.

## Validation Data



Chromatin immunoprecipitation was performed with cross-linked chromatin from HeLa cells, using [KO Validated] YAP1 Rabbit mAb (A22650) and rabbit IgG (AC005). The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram compares the ratio of the immunoprecipitated DNA versus the input.



CUT&Tag was performed using the CUT&Tag Assay Kit (pAG-Tn5) for Illumina(RK20265) from  $10^5$  HepG2 cells with  $1\mu\text{g}$  YAP1 Rabbit mAb(A22650), along with a Goat Anti-Rabbit IgG(H+L). The CUT&Tag results indicate the enrichment pattern of YAP1 in representative gene loci (PTBP1), as shown in figure.