

[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 10⁵ cells /1 µg

Contact

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Immunogen Information

Gene ID

10413

Swiss Prot

P46937

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 155-504 of human YAP1(NP_001123617.1).

Synonyms

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

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

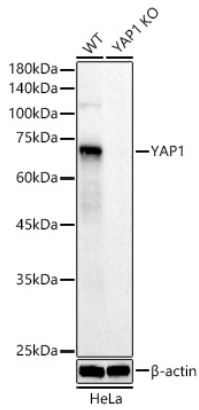
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

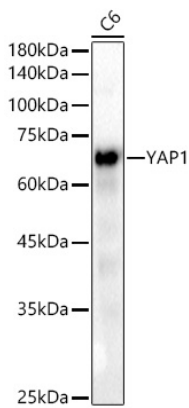


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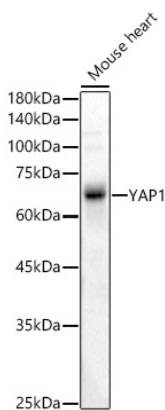
Validation Data



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.

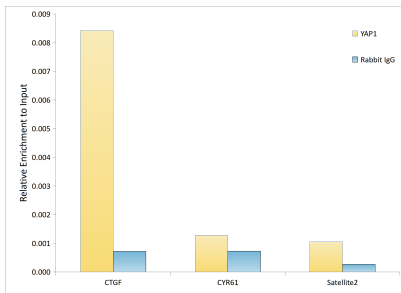


Western blot analysis of lysates from C6 cells, using [KO Validated] YAP1 Rabbit mAb (A22650) at 1:4000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic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

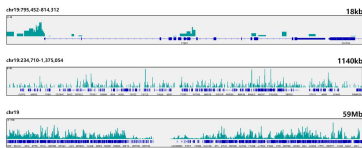


Western blot analysis of lysates from Mouse heart, using [KO Validated] YAP1 Rabbit mAb (A22650) at 1:4000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL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