

A22650

Leader in Biomolecular Solutions for Life Science



[KO Validated] YAP1 Rabbit mAb

Catalog No.: A22650

KO Validated

Recombinant

Basic Information

Observed MW

70kDa

Calculated MW

54kDa

Category

SMab Recombinant Monoclonal
Antibody

Applications

WB,IP,ChIP,ELISA,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

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.

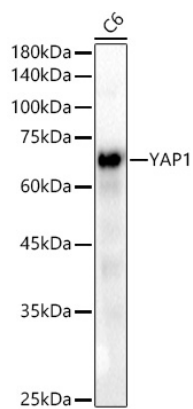
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

Contact

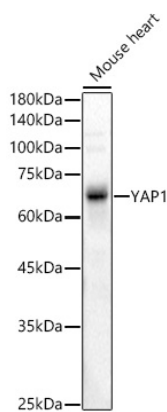


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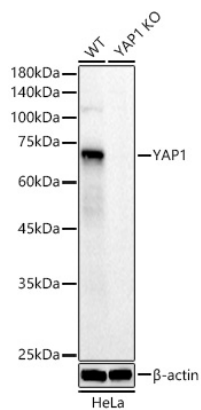
Validation Data



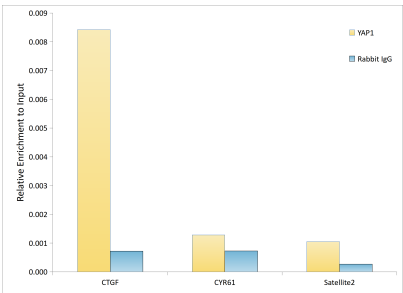
Western blot analysis of lysates from C6 cells, using [KO Validated] YAP1 Rabbit mAb (A22650) at 1:4000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic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

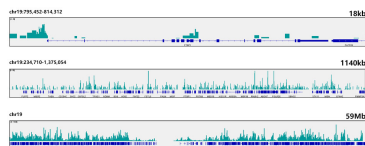


Western blot analysis of lysates from wild type(WT) and YAP1 knockout (KO) HeLa cells, using [KO Validated] YAP1 Rabbit mAb (A22650) at 1:4000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat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



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.

Validation Data



CUT&Tag was performed using the CUT&Tag Assay Kit (pAG-Tn5) for Illumina(RK20265) from 10⁵ HepG2 cells with 1μg 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.