

[KO Validated] YAP1 Rabbit mAb

Catalog No.: A21216 **KO Validated** **Recombinant** **4 Publications**

Basic Information

Observed MW

73kDa

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	1:2000 - 1:4000
IHC-P	1:100 - 1:500
IF/ICC	1:50 - 1:200
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	Swiss Prot
10413	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	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

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

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

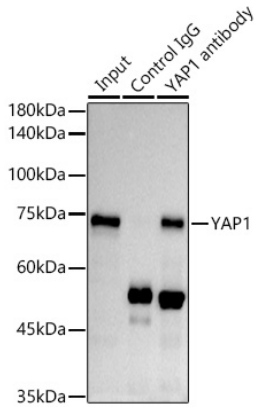
Contact

 | 400-999-6126

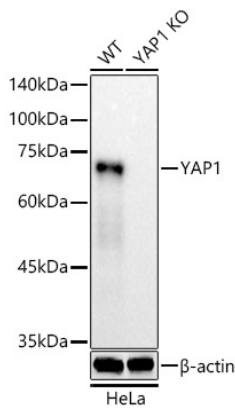
 | cn.market@abclonal.com.cn

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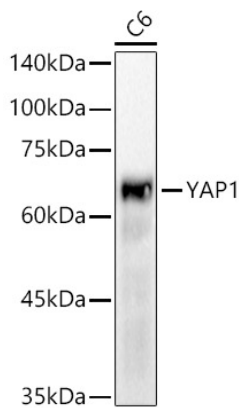
Validation Data



Immunoprecipitation analysis of 300 μ g extracts of HeLa cells using 3 μ g YAP1 antibody (A21216). Western blot was performed from the immunoprecipitate using YAP1 antibody (A21216) at a dilution of 1:2000.

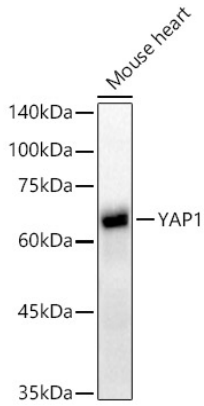


Western blot analysis of lysates from wild type (WT) and YAP1 knockout (KO) HeLa cells, using [KO Validated] YAP1 Rabbit mAb (A21216) at 1:4000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

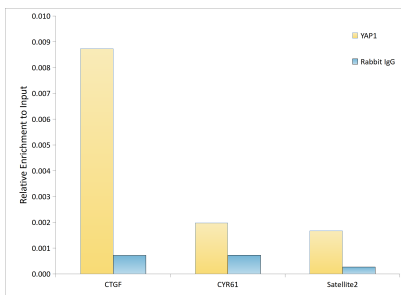


Western blot analysis of lysates from C6 cells, using [KO Validated] YAP1 Rabbit mAb (A21216) at 1:4000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

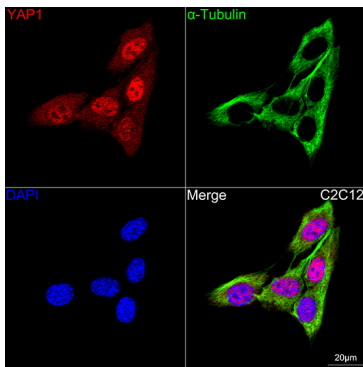
Validation Data



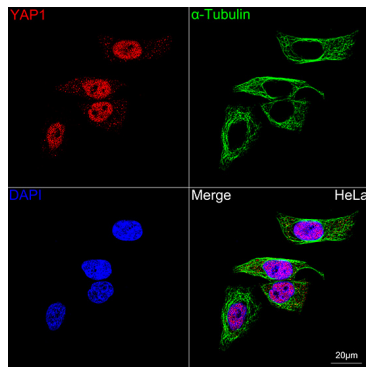
Western blot analysis of lysates from Mouse heart, using [KO Validated] YAP1 Rabbit mAb (A21216) at 1:4000 dilution.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 20s.



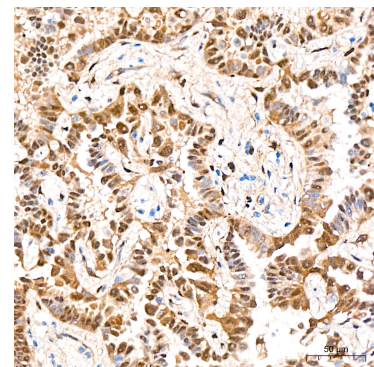
Chromatin immunoprecipitation analysis of extracts of HeLa cells, using YAP1 antibody (A21216) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



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 α-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.

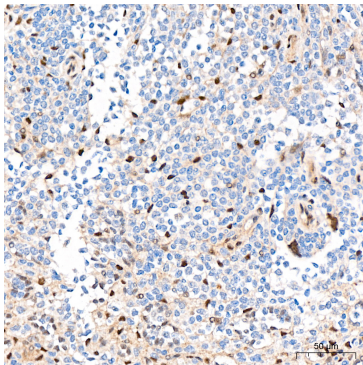


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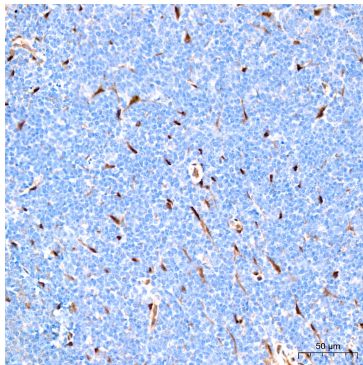


Immunohistochemistry analysis of paraffin-embedded Human lung adenocarcinoma tissue using [KO Validated] YAP1 Rabbit mAb (A21216) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.

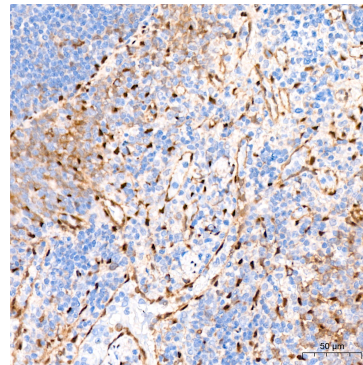
Validation Data



Immunohistochemistry analysis of paraffin-embedded Human spleen tissue using [KO Validated] YAP1 Rabbit mAb (A21216) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (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 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using [KO Validated] YAP1 Rabbit mAb (A21216) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.