A21216

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[KO Validated] YAP1 Rabbit mAb

Catalog No.: A21216 KO Validated Recombinant 7 Publications

Basic Information

Observed MW
70kDa

Calculated MW
54kDa

Category
SMab Recombinant Monoclonal Antibody

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

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℃. 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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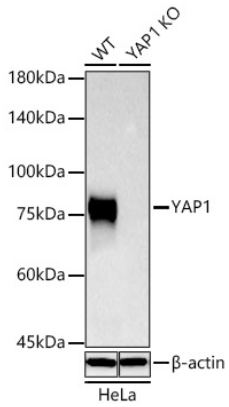
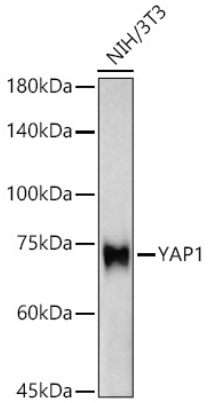
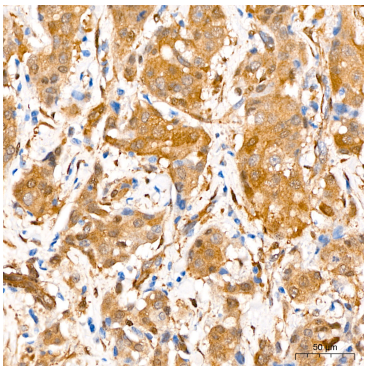
Validation Data



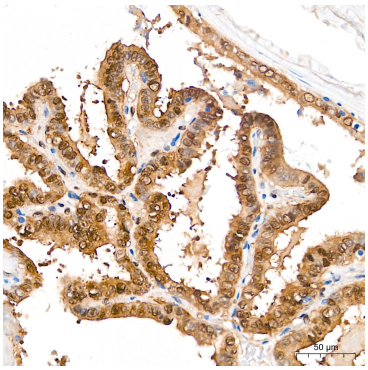
Western blot analysis of lysates from wild type (WT) and YAP1 knockout (KO) HeLa cells using [KO Validated] YAP1 Rabbit mAb (A21216) at 1:20000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.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



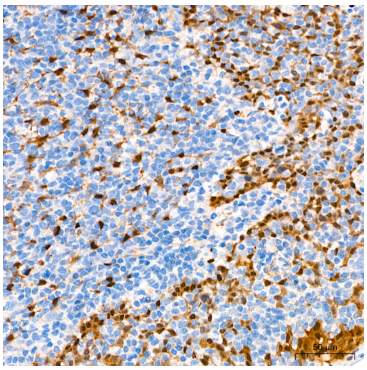
Western blot analysis of lysates from NIH/3T3 cells using [KO Validated] YAP1 Rabbit mAb (A21216) at 1:20000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry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



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.

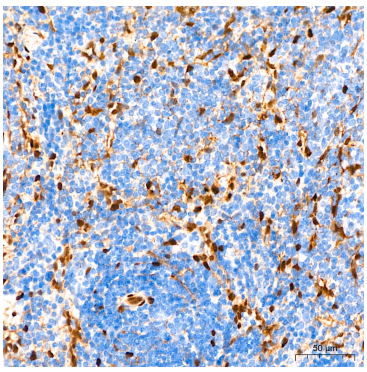


Immunohistochemistry analysis of paraffin-embedded human thyroid cancer tissue using [KO Validated] YAP1 Rabbit mAb (A21216) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.

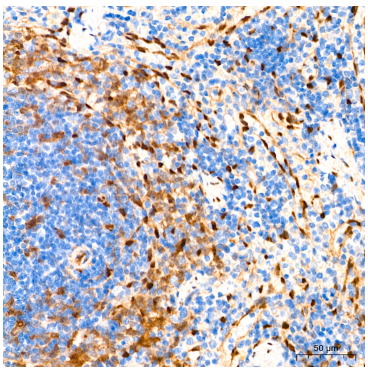


Immunohistochemistry analysis of paraffin-embedded human tonsil tissue using [KO Validated] YAP1 Rabbit mAb (A21216) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.

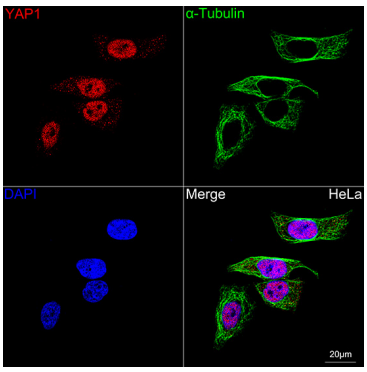
Validation Data



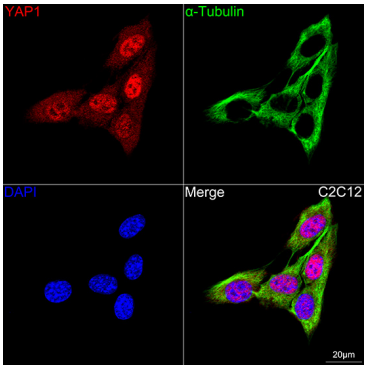
Immunohistochemistry analysis of paraffin-embedded mouse spleen tissue using [KO Validated] YAP1 Rabbit mAb (A21216) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



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.

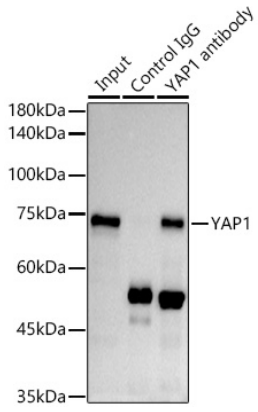


Confocal imaging of HeLa cells using [KO Validated] YAP1 Rabbit mAb (A21216, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo®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

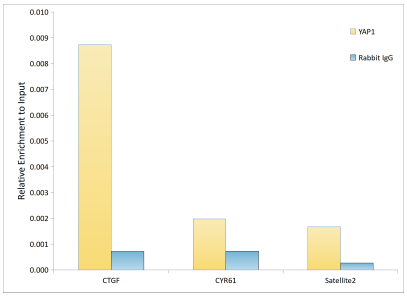


Confocal imaging of C2C12 cells using [KO Validated] YAP1 Rabbit mAb (A21216, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with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

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 of1:2000.



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.