

A1002

Leader in Biomolecular Solutions for Life Science



YAP1 Rabbit pAb

Catalog No.: A1002

48 Publications

Basic Information

Observed MW

70kDa

Calculated MW

54kDa

Category

Polyclonal Antibody

Applications

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

Cross-Reactivity

Human,Mouse

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 - 1:20000

IHC-P 1:500 - 1:1000

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.

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; YAP1

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

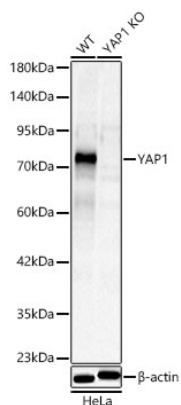
Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

Contact

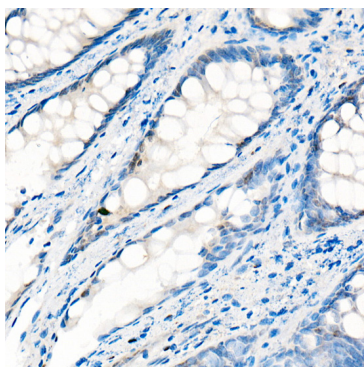


www.abclonal.com

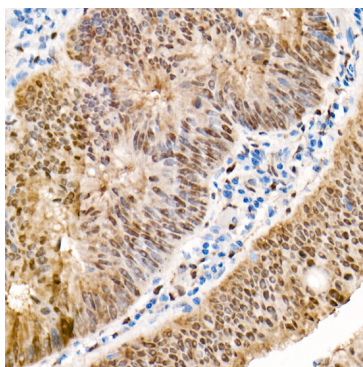
Validation Data



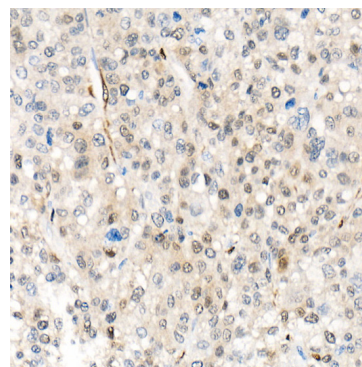
Western blot analysis of lysates from wild type (WT) and YAP1 knockout (KO) HeLa cells using YAP1 Rabbit pAb (A1002) at 1:2000 dilution.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25 µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 30s.



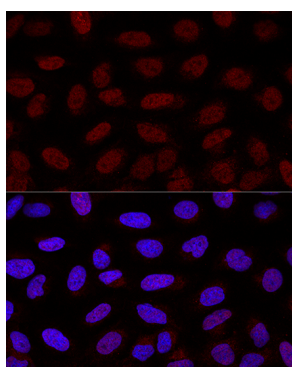
Immunohistochemistry analysis of paraffin-embedded Human colon (low expression samples) using YAP1 Rabbit pAb (A1002) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



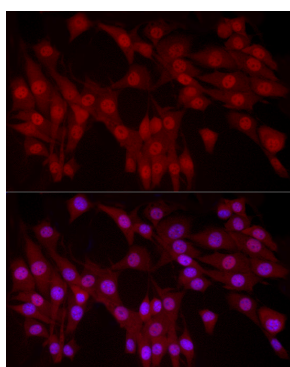
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using YAP1 Rabbit pAb (A1002) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



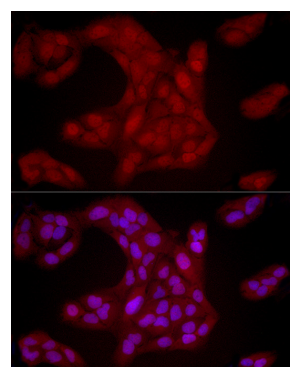
Immunohistochemistry analysis of paraffin-embedded Human liver cancer using YAP1 Rabbit pAb (A1002) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Confocal immunofluorescence analysis of U2OS cells using YAP1 Rabbit pAb (A1002) at dilution of 1:200. Blue: DAPI for nuclear staining.

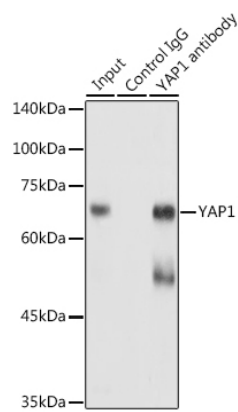


Immunofluorescence analysis of NIH/3T3 cells using YAP1 Rabbit pAb (A1002) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

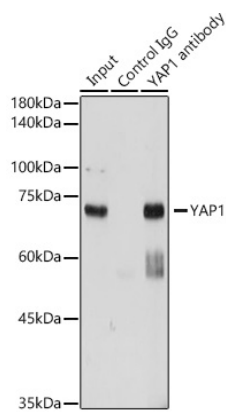


Immunofluorescence analysis of U2OS cells using YAP1 Rabbit pAb (A1002) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

Validation Data



Immunoprecipitation analysis of 300 µg extracts of HeLa cells using 3 µg YAP1 antibody (A1002). Western blot was performed from the immunoprecipitate using YAP1 antibody (A1002) at a dilution of 1:1000.



Immunoprecipitation analysis of 300 µg extracts of HeLa cells using 3 µg YAP1 antibody (A1002). Western blot was performed from the immunoprecipitate using YAP1 (A1002) at a dilution of 1:1000.