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**Product Name: KO-Validated YAP1 Recombinant Rabbit Monoclonal Antibody****Catalog #: KVA00097**

For research use only.

**Summary**

<b>Description</b>	KO&KD-Validated antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,FCM,ICC
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Rabbit IgG
<b>Clonality</b>	Rabbit mAb
<b>Form</b>	Liquid
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:2,000-1:10,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
<b>Molecular Weight</b>	Calculated MW: 54.5kDa

**Antigen Information**

<b>Gene Name</b>	YAP1
<b>Alternative Names</b>	YAP1; Yes1 Associated Transcriptional Regulator; YAP65; YAP-1; Yes-Associated Protein YAP65 Homolog; Transcriptional Coactivator YAP1; Yes Associated Protein 1; Protein Yorkie Homolog; Yes-Associated Protein 1, 65kDa; 65 KDa Yes-Associated Protein; Yes-Associated Protein 2; Yes-Associated Protein 1; Yorkie Homolog; COB1; YAP2; YAP; YKI
<b>Gene ID</b>	10413.0
<b>SwissProt ID</b>	P46937
<b>Immunogen</b>	A synthesized peptide derived from human YAP1

**Background**

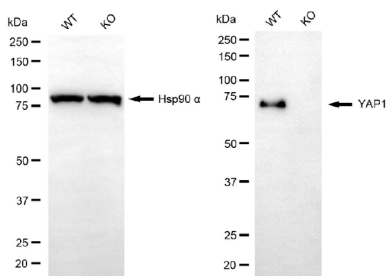
This gene encodes a downstream nuclear effector of the Hippo signaling pathway which is involved in development, growth,

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. [provided by RefSeq, Aug 2013]

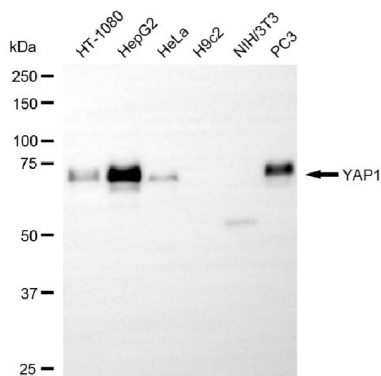
## Research Area

Signal Transduction, Epigenetics and Nuclear Signaling, Cancer

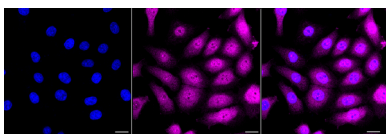
## Image Data



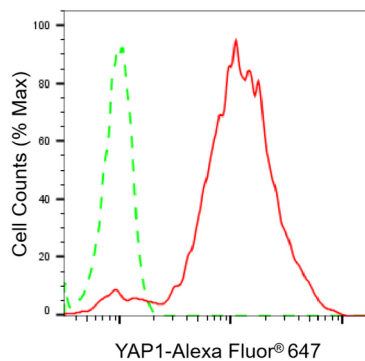
Western blotting analysis using YAP1 antibody (KVA00097). YAP1 expression in wild type (WT) and YAP1 knockout (KO) HSHC cells with 40 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with YAP1 antibody (KVA00097, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using YAP1 antibody (KVA00097). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with YAP1 antibody (KVA00097, 1:10,000) and HRP-conjugated goat anti rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with YAP1 antibody (KVA00097, 1:1,000). Nuclei were stained blue with DAPI; YAP1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of YAP1 expression in HepG2 cells using YAP1 antibody (KVA00097, 1:2,000). Green, isotype control; red, YAP1.