

Basic Information

Product Name	Anti-YAP1 Antibody	
Gene Name	YAP1	
Source	Rabbit	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, ICC/IF, FCM	
Contents	500 ug/ml antibody with PBS , 0.02% NaN ₃ , 1 mg BSA and 50% glycerol.	
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human YAP1 (62-97aa ETDLEALFNAVMNPKTANVPQTVPMRLRKLPSFFK), identical to the related mouse and rat sequences.	
concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	65-70KD	
Dilution Ratios	Western blot(WB):	1:500-2000
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-400
	Flow cytometry (FCM):	1-3 µg/1x10 ⁶ cells

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

YAP1, also known as YAP or YAP65, is a potent oncogene, which is amplified in various human cancers. This gene encodes a downstream nuclear effector of the Hippo signaling pathway which is involved in development, growth, repair, and homeostasis. It 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.

Reference

Anti-YAP1 Antibody被引用在5文献中。

Selected Validation Data

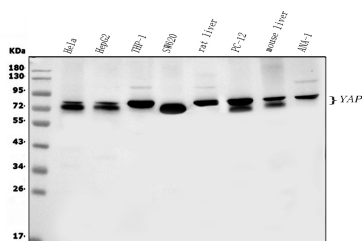


Figure 1. Western blot analysis of anti- YAP1 antibody (PB1021). The sample well of each lane was loaded with 50ug of sample under reducing conditions.

Lane 1: HELA whole cell lysates,
Lane 2: HEPG2 whole cell lysates,
Lane 3: THP-1 whole cell lysates,
Lane 4: SW620 whole cell lysates,
Lane 5: rat liver tissue lysates,
Lane 6: PC-12 whole cell lysates,
Lane 7: mouse liver tissue lysates,
Lane 8: ANA-1 whole cell lysates.

Use rabbit anti- YAP1 1:1000, probed with a goat anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002). A specific band was detected for YAP1 at approximately 65-70KD. The expected band size for YAP1 is at 54KD.

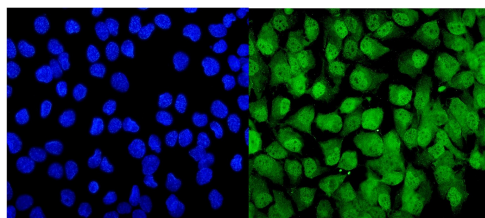


Figure 2. ICC analysis using anti-YAP1 antibody (PB1021) was detected in immersion fixed SK-OV-3 cell line . Cells were stained using the DyLight488-conjugated Anti-rabbit IgG Secondary Antibody (green)(Catalog#BA1127) and counterstained with DAPI (blue).

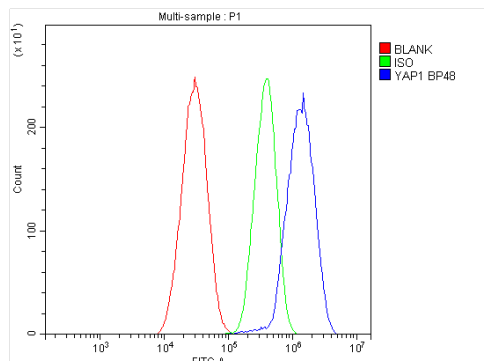


Figure 4. Flow cytometry analysis of HepG2 cell (1x10⁶) DyLight 488 conjugated goat anti-rabbit IgG (blue) was used as secondary antibody. Isotype control antibody (Green line) was rabbit IgG DyLight 488. Unlabelled sample (Red line).