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**Product Name: YAP (phospho Ser127) Rabbit Polyclonal Antibody****Catalog #: APRab05637**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,ELISA
<b>Reactivity</b>	Human,Mouse,Rat,Monkey
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Phosphorylated
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<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>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
<b>Molecular Weight</b>	65kDa

**Antigen Information**

<b>Gene Name</b>	YAP1
<b>Alternative Names</b>	YAP1; YAP65; Yorkie homolog; 65 kDa Yes-associated protein; YAP65
<b>Gene ID</b>	10413.0
<b>SwissProt ID</b>	P46937
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human YAP around the phosphorylation site of Ser127. AA range:93-142

**Background**

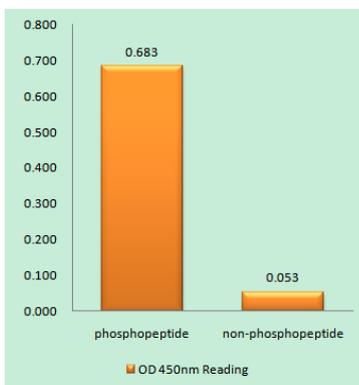
This gene encodes a downstream nuclear effector of the Hippo signaling pathway which is involved in development, growth,

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],PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Contains 1 WW domain.,subunit:Binds to the SH3 domain of the YES kinase. Binds to WBP1 and WBP2. Binds, in vitro, through the WW1 domain, to neural isoforms of ENAH that contain the PPSY motif.,

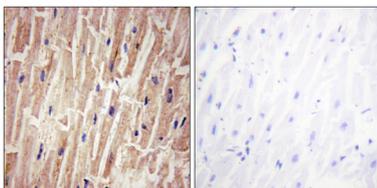
## Research Area

Signal Transduction

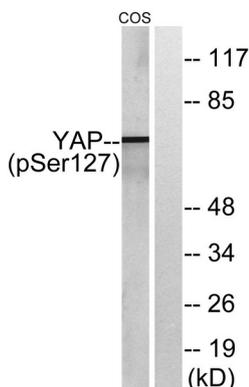
## Image Data



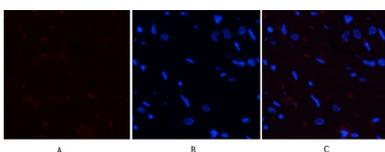
Enzyme-Linked Immunosorbent Assay ( Phospho-ELISA ) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right) , using YAP (Phospho-Ser127) Antibody



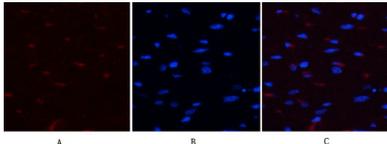
Immunohistochemistry analysis of paraffin-embedded human heart , using YAP (Phospho-Ser127) Antibody. The picture on the right is blocked with the phospho peptide.



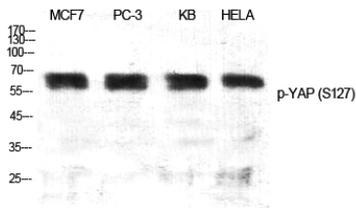
Western blot analysis of lysates from COS7 cells treated with HU 2nM 24h, using YAP (Phospho-Ser127) Antibody. The lane on the right is blocked with the phospho peptide.



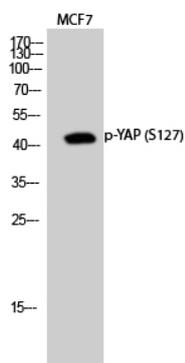
Immunofluorescence analysis of rat-heart tissue. 1,YAP ( phospho Ser127 ) Polyclonal Antibody (red) was diluted at 1:200 (4°C,overnight) . 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min) .3, Picture B: DAPI (blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Immunofluorescence analysis of rat-heart tissue. 1, YAP (phospho Ser127) Polyclonal Antibody (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



Western Blot analysis of various cells using Phospho-YAP (S127) Polyclonal Antibody diluted at 1: 500.



Western Blot analysis of MCF7 cells using Phospho-YAP (S127) Polyclonal Antibody diluted at 1: 500.