

YAP (Phospho Ser127) Rabbit pAb

CatalogNo: YP0708 **Orthogonal Validated** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat, Monkey

Applications

- WB, IHC, IF, ELISA

MW

- 65kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

IF 1:50-200

WB 1:500-1:2000

IHC 1:100-1:300

ELISA 1:40000

Not yet tested in other applications

Basic Information

Clonality Polyclonal

Immunogen Information

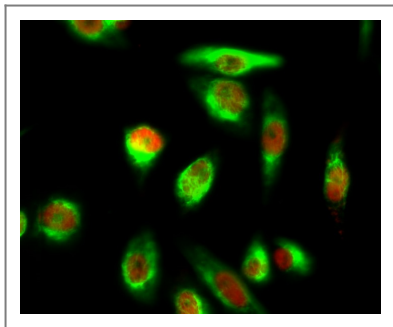
Immunogen The antiserum was produced against synthesized peptide derived from human YAP around the phosphorylation site of Ser127. AA range:93-142

Specificity Phospho-YAP (S127) Polyclonal Antibody detects endogenous levels of YAP protein only when phosphorylated at S127. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):AHsSP

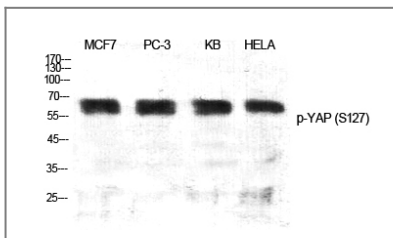
| Target Information

Gene name	YAP1		
Protein Name	Yorkie homolog		
	Organism	Gene ID	UniProt ID
	Human	10413 ;	P46937 ;
	Mouse	22601 ;	P46938 ;
	Rat	363014 ;	Q2EJA0 ;
Cellular Localization	Cytoplasm . Nucleus . Both phosphorylation and cell density can regulate its subcellular localization (PubMed:18158288 , PubMed:20048001) . Phosphorylation sequesters it in the cytoplasm by inhibiting its translocation into the nucleus (PubMed:18158288 , PubMed:20048001) . At low density , predominantly nuclear and is translocated to the cytoplasm at high density (PubMed:18158288 , PubMed:20048001 , PubMed:25849865) . PTPN14 induces translocation from the nucleus to the cytoplasm (PubMed:22525271) . Localized mainly to the nucleus in the early stages of embryo development with expression becoming evident in the cytoplasm at the blastocyst and epiblast stages (By similarity) . .		
Tissue specificity	Increased expression seen in some liver and prostate cancers. Isoforms lacking the transactivation domain found in striatal neurons of patients with Huntington disease (at protein level) .		
Function	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. ,		

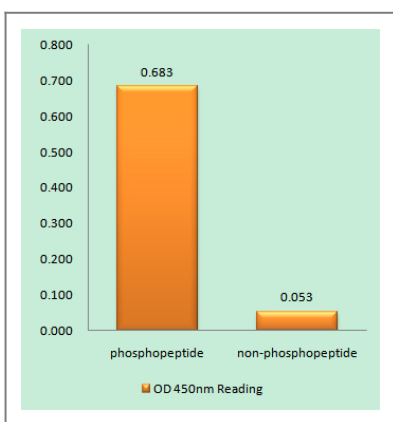
| Validation Data



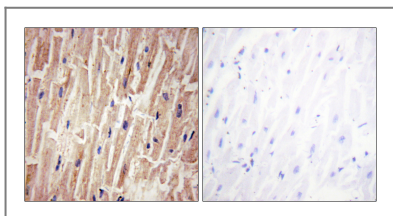
Immunofluorescence analysis of HeLa cell. 1, mouse Tubulin Antibody YM3035 (green) was diluted at 1:200 (4°C overnight). YAP (Phospho Ser127) Rabbit pAb (red) was diluted at 1:200 (4°C overnight). 2, Goat Anti Rabbit Alexa Fluor 594 Catalog:RS3611 was diluted at 1:1000 (room temperature, 50min). Goat Anti Mouse Alexa Fluor 488 Catalog:RS3208 was diluted at 1:1000 (room temperature, 50min).



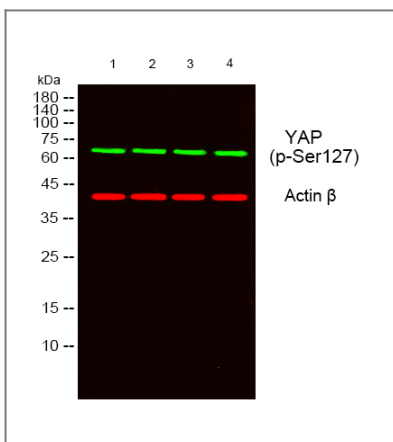
Western Blot analysis of various cells using Phospho-YAP (S127) Polyclonal Antibody diluted at 1:500 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).



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 1) MCF-7, 2) PC-3, 3) KB, 4) HELA cells, (Green) primary antibody was diluted at 1:1000, 4°C over night, secondary antibody (cat:RS23920) was diluted at 1:10000, 37° 1 hour. (Red) Actin β Monoclonal Antibody (5B7) (cat:YM3028) antibody was diluted at 1:5000 as loading control, 4°C over night, secondary antibody (cat:RS23710) was diluted at 1:10000, 37° 1 hour.

Contact information

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Ser127) Rabbit pAb**

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