

YAP (Phospho Ser397) (PT1357R) PT™ Rabbit mAb

CatalogNo: YM9199 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IF, IP, ELISA

MW

- 54kD (Calculated)
65kD (Observed)

Isotype

- IgG, Kappa

Storage

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

Formulation PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Recommended Dilution Ratios

WB 1:2000-1:10000

IF 1:200-1:1000

ELISA 1:5000-1:20000

IP 1:50-1:200

Basic Information

Clonality Monoclonal

Clone Number PT1357R

Immunogen Information

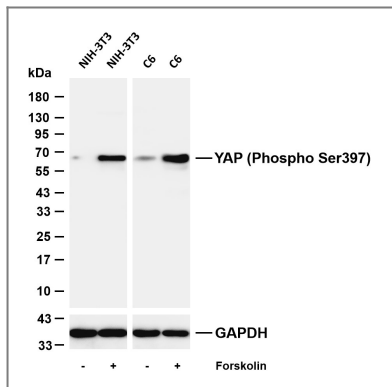
Immunogen The specific immunogen used to produce this antibody is proprietary information.

Specificity YAP (Phospho Ser397) Antibody detects endogenous levels of YAP protein only when phosphorylated at Ser397. 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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):DESTD

| Target Information

Gene name	YAP1 YAP65		
Protein Name	Transcriptional coactivator YAP1		
	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



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-YAP (Phospho Ser397) (PT1357R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: NIH-3T3 Lane 2: NIH-3T3 was treated with Forskolin (10 μ M) for 1 hour Lane 3: C6 Lane 4: C6 was treated with Forskolin (10 μ M) for 1 hour Predicted band size: 54kDa Observed band size: 65kDa

Contact information

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YAP (Phospho Ser397) (PT1357R) PT™ Rabbit mAb

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