

À des fins de recherche uniquement

# Anticorps Monoclonal anti-YAP1

Numéro de catalogue: 66900-1-Ig

Phare

32 Publications



## Informations de base

<b>Numéro de catalogue:</b> 66900-1-Ig	<b>Numéro d'acquisition GenBank:</b> BC038235	<b>Méthode de purification:</b> Purification par protéine G
<b>Taille:</b> 150ul, Concentration: 2161 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	<b>Identification du gène (NCBI):</b> 10413	<b>CloneNo.:</b> 3A7A9
<b>Hôte:</b> Mouse	<b>Nom complet:</b> Yes-associated protein 1, 65kDa	<b>Dilutions recommandées:</b> WB 1:5000-1:50000 IHC 1:1000-1:4000 IF 1:200-1:800
<b>Isotype:</b> IgG1	<b>MW calculé:</b> 504 aa, 54 kDa	
<b>Immunogen Catalog Number:</b> AG28194	<b>MW observés:</b> 65-70 kDa	

## Applications

### Applications testées:

IF, IHC, WB, ELISA

### Demandes citées:

CoIP, IF, IHC, IP, WB

### Spécificité de l'espèce:

Humain, rat, souris

### Espèces citées:

Humain, rat, souris

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) A défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.**

### Contrôles positifs:

**WB :** cellules NCI-H1299, cellules 4T1, cellules HEK-293, cellules HeLa, cellules HepG2, cellules HSC-T6, cellules HUVEC, cellules LNCaP, cellules MCF-7, cellules NIH/3T3, cellules NIH-3T3

**IHC :** tissu de cancer du poumon humain, tissu de cancer du côlon humain, tissu de cancer du foie humain, tissu de tumeur ovarienne humain

**IF :** cellules HepG2,

## Informations générales

Yes-associated protein 1 (YAP1) is a transcriptional regulator which can act both as a coactivator and a corepressor and is the critical downstream regulatory target in the Hippo signaling pathway that plays a pivotal role in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein STK3/MST2 and STK4/MST1, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1/2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1/TAZ. Plays a key role to control cell proliferation in response to cell contact. Phosphorylation of YAP1 by LATS1/2 inhibits its translocation into the nucleus to regulate cellular genes important for cell proliferation, cell death, and cell migration. The presence of TEAD transcription factors are required for it to stimulate gene expression, cell growth, anchorage-independent growth, and epithelial mesenchymal transition (EMT) induction. Isoform 2 and isoform 3 can activate the C-terminal fragment (CTF) of ERBB4 (isoform 3). 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). Phosphorylation of S381 primes YAP phosphorylation by CK1δ/ε, resulting in activation of a phosphodegron, thus generates a binding surface that interacts with a ubiquitin ligase, and leads to degradation by ubiquitination. (PMID: 20048001). The calculated molecular weight of YAP1 is 54 kDa, but phosphorylated YAP1 is about 65-70 kDa. (PMID: 26695440)

## Publications notables

Autrice	Pubmed ID	Journal	Application
Lei Hong	34692767	Front Mol Biosci	WB
Mengjie Li	34845376	Oncogene	WB,IF
Jer-Hwa Chang	34852269	Chem Biol Interact	IHC,IF

## Stockage

### Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

### Tampon de stockage:

PBS avec azote de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

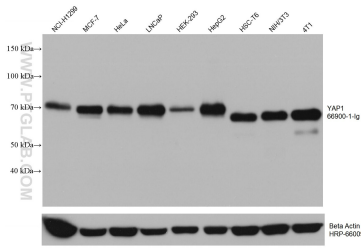
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

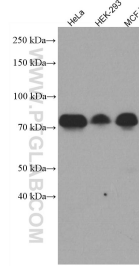
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

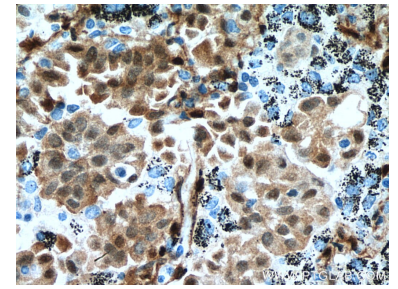
## Données de validation sélectionnées



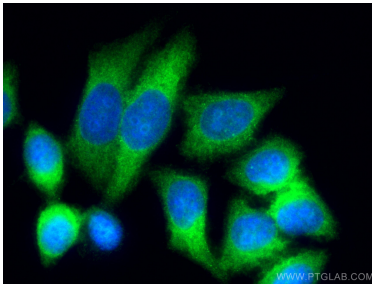
Various lysates were subjected to SDS PAGE followed by western blot with 66900-1-Ig (YAP1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



Various lysates were subjected to SDS PAGE followed by western blot with 66900-1-Ig (YAP1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 66900-1-Ig (YAP1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using YAP1 antibody (66900-1-Ig, Clone: 3A7A9) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).