

À des fins de recherche uniquement

Anticorps Monoclonal anti-YAP1

Numéro de catalogue: CL488-66900

2 Publications



Informations de base

Numéro de catalogue: CL488-66900	Numéro d'acquisition GenBank: BC038235	Méthode de purification: Purification par protéine G
Taille: 100ul, Concentration: 1000 µg/ml by Nanodrop;	Identification du gène (NCBI): 10413	CloneNo.: 3A7A9
Hôte: Mouse	Nom complet: Yes-associated protein 1, 65kDa	Dilutions recommandées: IF 1:10-1:200
Isotype: IgG1	MW calculé: 504 aa, 54 kDa	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG28194	MW observés: 70 kDa	

Applications

Applications testées: IF	Contrôles positifs: IF : cellules HepG2,
Demandes citées: IF, WB	
Spécificité de l'espèce: Humain, rat, souris	
Espèces citées: Humain, souris	

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). It is activated by phosphorylation and degraded by ubiquitination (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
Yue Wan	36598105	Glia	WB
Zengshu Huang	36552052	Biomedicines	IF

Stockage

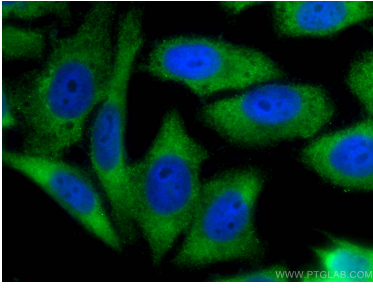
Stockage:
Stocker à -20 °C. Éviter toute exposition à la lumière. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, pH 7,3.
L'aliqotage n'est pas nécessaire pour le stockage à -20C

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

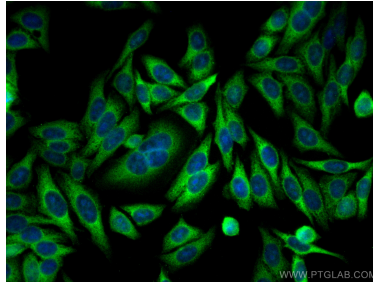
For technical support and original validation data for this product please contact:
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E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Données de validation sélectionnées



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using the CoraLite® Plus 488-conjugated version of this antibody, CL488-66900 (YAP1 antibody), at dilution of 1:100.



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using CoraLite® Plus 488 YAP1 antibody (CL488-66900, Clone: 3A7A9) at dilution of 1:200.