À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-YAP1

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:13584-1-AP Phare 206 Publications

Informations de base

Numéro de catalogue:
13584-1-AP

Taille:
150ul , Concentration: 750 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG4510

Numéro d'acquisition GenBank:
BC038235

Identification du gène (NCBI):
10413

Nom complet:
Yes-associated protein 1, 65kDa

MW calculé
504 aa, 54 kDa

MW observés:
70 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:2000-1:10000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:50-1:500
IF 1:20-1:200
FC 1:50-1:200

Applications

Applications testées:
FC, IF, IHC, IP, WB, ELISA

Demandes citées:
ChIP, CoIP, IF, IHC, IP, WB

Spécificité de l'espèce:
Humain, souris

Espèces citées:
Humain, poisson-zèbre, porc, poulet, rat, singe, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HeLa, cellules BGC-823, cellules HepG2, cellules MCF-7, cellules SGC-7901, tissu hépatique de rat, tissu hépatique de souris

IP : cellules NIH/3T3,

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

IF : cellules HepG2, tissu de cancer du poumon humain

FC : cellules NIH3T3,

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 actived by phosphorylation and degradated by ubiquitination (20048001).This antibody is a rabbit polyclonal antibody. The calcualted molecular weight of YAP1is 54 kDa, but phosphorylated YAP1 is about 65kDa. (PMID: 26695440)

Publications notables

Autrice	Pubmed ID	Journal	Application
Sebastian Mana-Capelli	30266805	J Biol Chem	WB
Demin Cheng	36166308	JCI Insight	WB
Bang-Yi Lin	32969138	J Cell Mol Med	WB

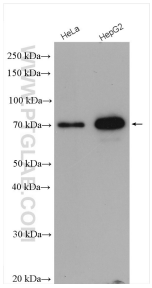
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

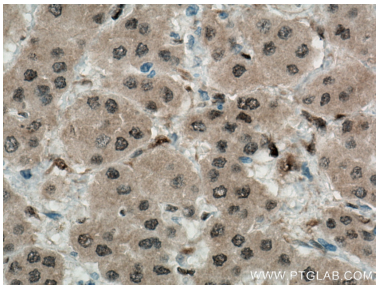
***** Les 20ul contiennent 0,1% de BSA.**

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

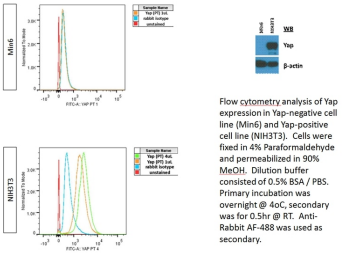
Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 13584-1-AP (YAP1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.

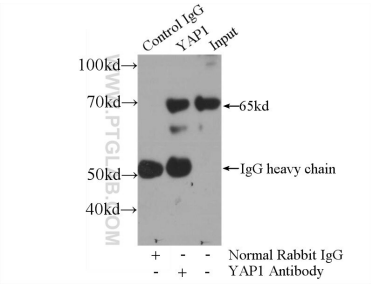


Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 13584-1-AP (YAP1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

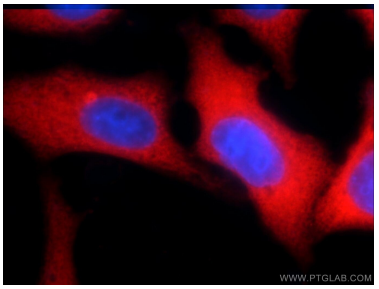


Flow cytometry analysis of Yap expression in Yap-negative cell line (Min6) and Yap-positive cell line (NIH3T3). Cells were fixed in 4% Paraformaldehyde and permeabilized in 90% MeOH. Dilution buffer consisted of 0.5% BSA / PBS. Primary incubation was overnight @ 4oC, secondary was for 0.5hr @ RT. Anti-Rabbit AF-488 was used as secondary.

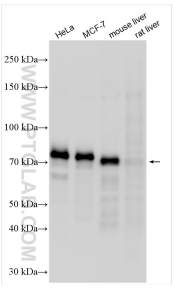
FC result of YAP antibody (13584-1-AP) with Min6 and NIH3T3 cell by Sarvetnick Lab, UNMC.



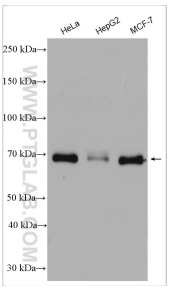
IP Result of anti-YAP1 (IP:13584-1-AP, 3ug; Detection:13584-1-AP 1:700) with NIH/3T3 cells lysate 1200ug.



Immunofluorescent analysis of HepG2 cells using 13584-1-AP (YAP1 antibody) at dilution of 1:50 and Rhodamine-Goat anti-Rabbit IgG.



Various lysates were subjected to SDS PAGE followed by western blot with 13584-1-AP (YAP1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



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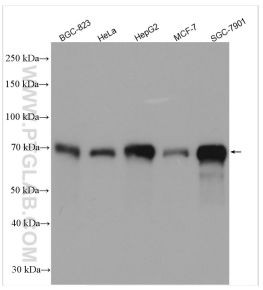

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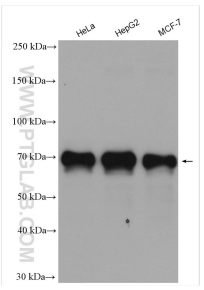

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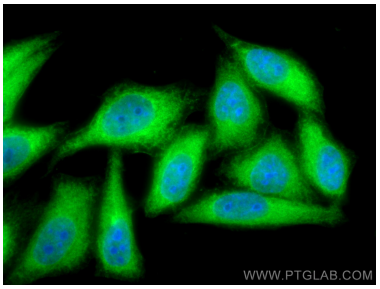

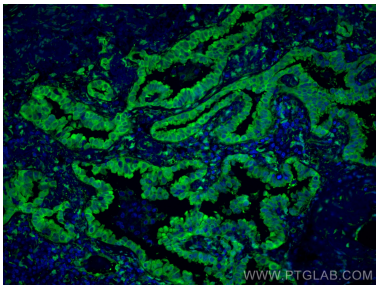

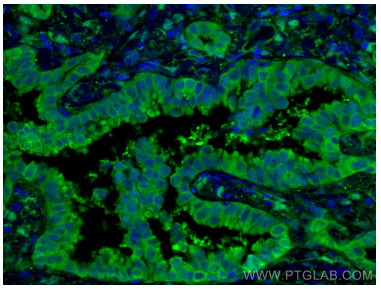

Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using YAP1 antibody (13584-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).

Immunofluorescent analysis of (4% PFA) fixed human lung cancer tissue using YAP1 antibody (13584-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).

Immunofluorescent analysis of (4% PFA) fixed human lung cancer tissue using YAP1 antibody (13584-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).