

Allgemeine Informationen

Katalog-Nr.: 13584-1-AP	GenBank-Zugangsnummer: BC038235	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 750 µg/ml von Nanodrop;	GeneID (NCBI): 10413	Empfohlene Verdünnungen: WB 1:2000-1:10000 IP 0.5-4.0 ug für IP und 1:500-1:1000 für WB
Wirt: Kaninchen	Vollständiger Name: Yes-associated protein 1, 65kDa	IHC 1:50-1:500 IF 1:20-1:200 FC 1:50-1:200
Isotyp: IgG	Berechnete Masse: 504 aa, 54 kDa	
Immunogen Katalognummer: AG4510	Beobachtete Masse: 70 kDa	

Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

CoIP, IF, IHC, IP, WB

Getestete Reaktivität:

Human, Maus

Zitierte Arten:

Affe, Hausschwein, Huhn, Human, Maus, Ratte, Zebrafisch

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB: HeLa-Zellen, BGC-823-Zellen, HepG2-Zellen, MCF-7-Zellen, SGC-7901-Zellen

IP: NIH/3T3-Zellen,

IHC: humanes Leberkarzinomgewebe, humanes Kolonkarzinomgewebe, humanes Ovarialkarzinomgewebe

IF: HepG2-Zellen, humanes Lungenkarzinomgewebe

FC: NIH3T3-Zellen,

Hintergrundinformationen

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). This antibody is a rabbit polyclonal antibody. The calculated molecular weight of YAP1 is 54 kDa, but phosphorylated YAP1 is about 65kDa. (PMID: 26695440)

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Sebastian Mana-Capelli	30266805	J Biol Chem	WB
Deming Cheng	36166308	JCI Insight	WB
Bang-Yi Lin	32969138	J Cell Mol Med	WB

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

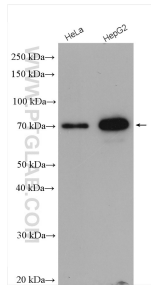
Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

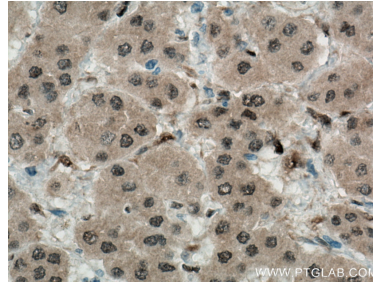
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
 E: proteintech@ptglab.com
 W: ptglab.com

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

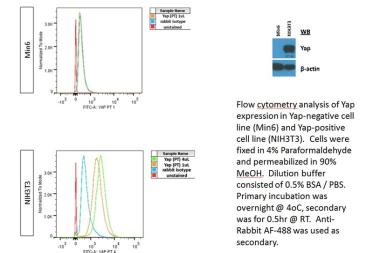
Ausgewählte Validierungsdaten



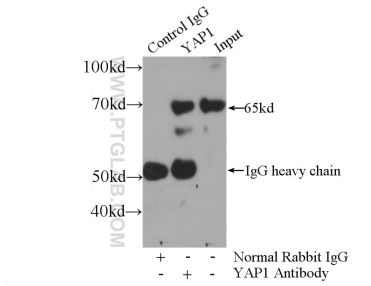
Various lysates were subjected to SDS PAGE followed by western blot with 13584-1-AP (YAP1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



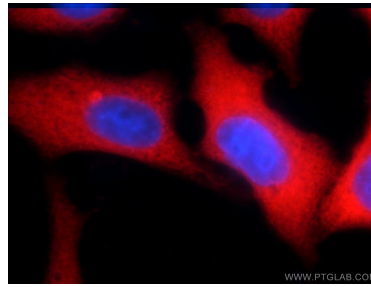
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 13584-1-AP (YAP1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



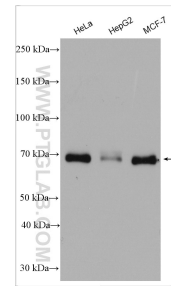
FC result of YAP antibody (13584-1-AP) with Min6 and NIH3T3 cell by Sarvetnick Lab, UNMC.



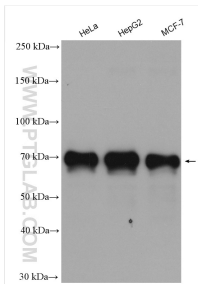
IP Result of anti-YAP1 (IP:13584-1-AP, 3ug; Detection:13584-1-AP 1:700) with NIH/3T3 cells lysate 1200ug.



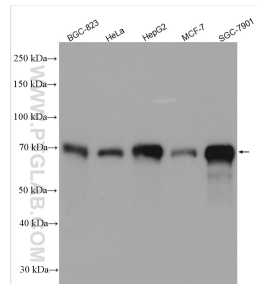
Immunofluorescent analysis of HepG2 cells using 13584-1-AP (YAP1 antibody) at dilution of 1:50 and Rhodamine-Goat anti-Rabbit IgG.



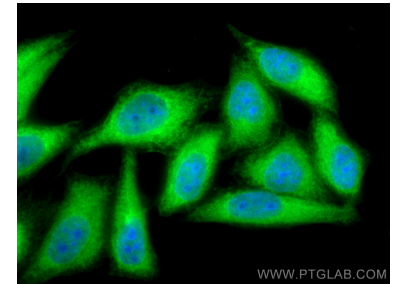
Various lysates were subjected to SDS PAGE followed by western blot with 13584-1-AP (YAP1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



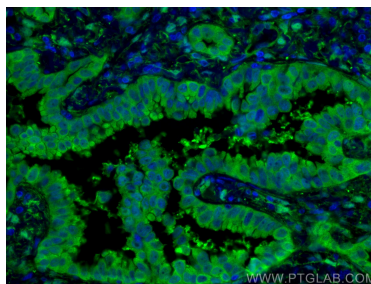
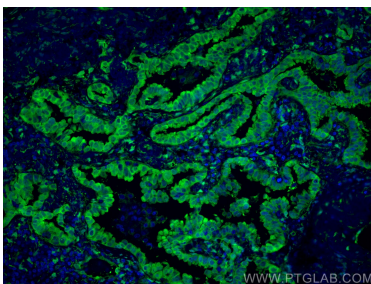
Various lysates were subjected to SDS PAGE followed by western blot with 13584-1-AP (YAP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 13584-1-AP (YAP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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).