

Nur für Forschungszwecke

YAP1 Monoklonaler Antikörper

Katalog-Nr.:66900-1-Ig

Vorgestelltes Produkt

28 Publikationen



Allgemeine Informationen

Katalog-Nr.:
66900-1-Ig

Größe:
150ul, Konzentration: 2161 µg/ml von10413

Nanodrop und 1000 µg/ml durch die
Bradford-Methode mit BSA als
Standard;

Wirt:
Maus

Isotyp:
IgG1

Immunogen Katalognummer:
AG28194

GenBank-Zugangsnummer:
BC038235

GeneID (NCBI):

Vollständiger Name:
Yes-associated protein 1, 65kDa

Berechnete Masse:
504 aa, 54 kDa

Beobachtete Masse:
65-70 kDa

Reinigungsmethode:
Protein-G-Reinigung

CloneNo.:
3A7A9

Empfohlene Verdünnungen:
WB 1:5000-1:50000
IHC 1:1000-1:4000
IF 1:200-1:800

Anwendungen

Geprüfte Anwendungen:

IF, IHC, WB, ELISA

In Publikationen genannte Anwendungen:

CoIP, IF, IHC, IP, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Ratte

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

Positivkontrollen:

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

IHC : humanes Lungenkarzinomgewebe, humanes Kolonkarzinomgewebe, humanes Leberkarzinomgewebe, humanes Ovarialkarzinomgewebe

IF : HepG2-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). The calculated molecular weight of YAP1 is 54 kDa, but phosphorylated YAP1 is about 65-70 kDa. (PMID: 26695440)

Bemerkenswerte Veröffentlichungen

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

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

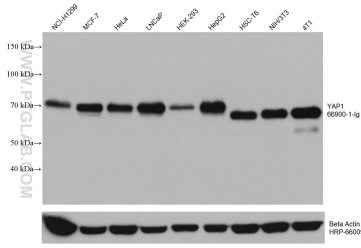
For technical support and original validation data for this product please contact:

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

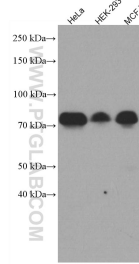
E: proteintech@ptglab.com
W: ptglab.com

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

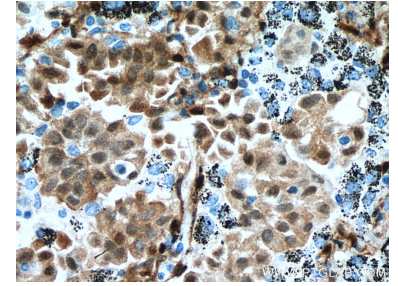
Ausgewählte Validierungsdaten



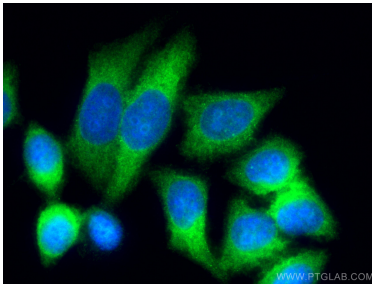
Various lysates were subjected to SDS PAGE followed by western blot with 66900-1-Ig (YAP1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



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 Hep2 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).