

For Research Use Only

Phospho-YAP1 (Ser397) Polyclonal antibody

Catalog Number: 29018-1-AP

18 Publications



Basic Information

Catalog Number:

29018-1-AP

Size:

100ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC038235

GeneID (NCBI):

10413

UNIPROT ID:

P46937

Full Name:

Yes-associated protein 1, 65kDa

Calculated MW:

504 aa, 54 kDa

Observed MW:

75 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:16000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat

Positive Controls:

WB : Serum-free treated NIH/3T3 cells, 10 % fetal bovine serum treated NIH/3T3 cells

Background Information

The transcriptional factors Yes-associated protein 1 (YAP1) and PDZ-binding motif (TAZ) act as downstream effectors of the Hippo pathway, and their subcellular location and transcriptional activities are affected by multiple post-translational modifications (PTMs). After phosphorylation, YAP1/TAZ binds to the 14-3-3 protein, which induces cytoplasmic retention of YAP1/TAZ. Moreover, phosphorylated YAP1/TAZ is likely to undergo ubiquitination degradation that is dependent on the β -transducin repeat-containing E3 ubiquitin protein ligase complex. The phosphorylation of YAP at Ser127 promotes its cytoplasmic retention, whereas phosphorylation at Ser397 induces degradation. (PMID: 29682330, PMID: 26039999)

Notable Publications

Author	Pubmed ID	Journal	Application
Xueqing Hu	36479120	Front Immunol	WB
Ning Ma	39988125	Exp Cell Res	WB
Xiaoqi Guan	39889369	Biomater Adv	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

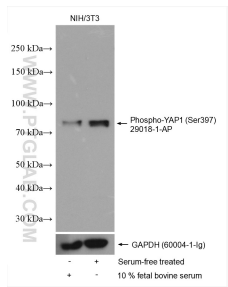
For technical support and original validation data for this product please contact:

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

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Selected Validation Data



Serum-free treated NIH/3T3 cells and 10 % fetal bovine serum treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 29018-1-AP (Phospho-YAP1 (Ser397) antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.