

For Research Use Only

Phospho-YAP1 (Ser127) Recombinant antibody

Catalog Number: 80694-2-RR



Basic Information

Catalog Number: 80694-2-RR	GenBank Accession Number: BC038235	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 10413	CloneNo.: 240779G4
Source: Rabbit	UNIPROT ID: P46937	Recommended Dilutions: WB 1:2000-1:16000
Isotype: IgG	Full Name: Yes-associated protein 1, 65kDa	
	Calculated MW: 504 aa, 54 kDa	
	Observed MW: 70-78 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : Calyculin A treated HepG2 cells,
Species Specificity: human	

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)

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

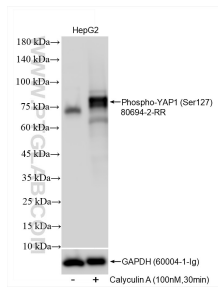
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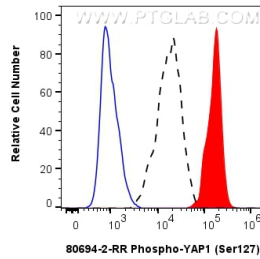
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Selected Validation Data



Calyculin A treated and untreated HepG2 cells were subjected to SDS PAGE followed by western blot with 80694-2-RR (Phospho-YAP1 (Ser127) antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



1×10^6 HepG2 cells untreated (dashed lines) or treated with Calyculin A intracellularly stained with 0.13 μ g Phospho-YAP1 (Ser127) Recombinant antibody (80694-2-RR, Clone:240779G4) and CoraLite[®] 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.13 μ g Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.