

For Research Use Only

CoraLite® Plus 647-conjugated Phospho-YAP1 (Ser127) Recombinant antibody

Catalog Number: CL647-80694-2



Basic Information

Catalog Number: CL647-80694-2	GenBank Accession Number: BC038235	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 10413	CloneNo.: 240779G4
Source: Rabbit	UNIPROT ID: P46937	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Isotype: IgG	Full Name: Yes-associated protein 1, 65kDa	
	Calculated MW: 504 aa, 54 kDa	
	Observed MW: 70-78 kDa	

Applications

Tested Applications:
FC (Intra)

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. Avoid exposure to light. Stable for one year after shipment.

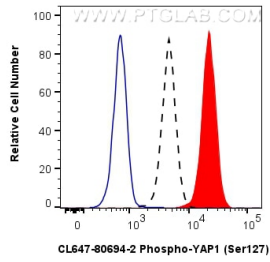
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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)
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Selected Validation Data



1X10⁶ HepG2 cells untreated (dashed lines) or treated with Calyculin A which intracellularly stained with 0.25 ug CoraLite® Plus 647 Phospho-Yap1 (Ser127) Recombinant Antibody (CL647-80694-2, Clone:240779G4)(red), or 0.25 ug CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.