For Research Use Only

Phospho-YAP1 (Ser397) Recombinant antibody, PBS Only

Catalog Number:80694-3-PBS

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Basic Information

Catalog Number:
80694-3-PBS

Size:
100ug , Concentration: 1 mg/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:
Protein A purification

CloneNo.:
250306F11

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse

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 -80°C.
Storage Buffer:
PBS only, pH7.3

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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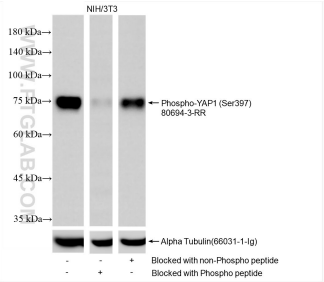
Selected Validation Data



NIH/3T3 cell lysates were subjected to SDS PAGE followed by western blot with 80694-3-RR (Phospho-YAP1 (Ser397) antibody) blocked with BSA only, Phospho-YAP1 (Ser397) peptide or non-Phospho peptide at dilution of 1:3000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin (66031-1-Ig) antibody as a loading control. This data was developed using the same antibody clone with 80694-3-PBS in a