

YAP (Phospho-Ser127) Antibody

Catalog No: #11952



Package Size: #11952-1 50ul #11952-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	YAP (Phospho-Ser127) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of YAP only when phosphorylated at serine 127.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine127(A-H-S(p)-S-P) derived from Human YAP .
Target Name	YAP
Modification	Phospho
Other Names	YAP65; YAP1;
Accession No.	Swiss-Prot#: P46937; NCBI Gene#: 10413; NCBI Protein#: NP_001123617.1
SDS-PAGE MW	65kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

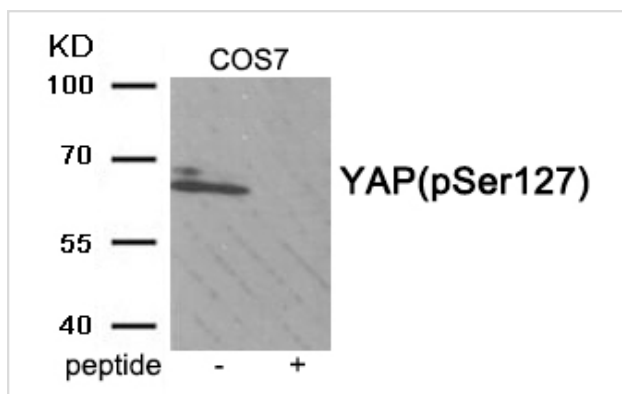
Application Details

Western blotting: 1:500~1:1000

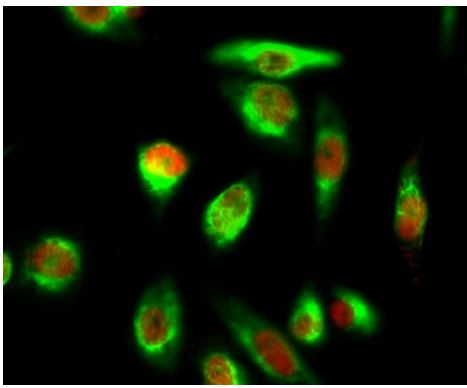
IF: 1:50-200

Immunohistochemistry: 1oO 100 - 300

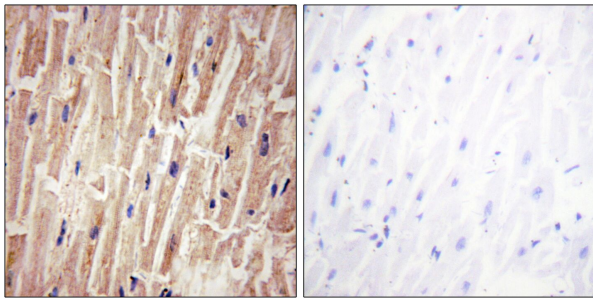
Images



Western blot analysis of extracts from COS7 tissue using YAP (Phospho-Ser127) antibody #11952. The lane on the right is treated with the antigen-specific peptide.



Immunofluorescence analysis of HeLa cell. 1, YAP (phospho Ser127) Polyclonal Antibody (red) was diluted at 1:200 (4° overnight).



Immunohistochemistry analysis of paraffin-embedded human heart, using YAP (Phospho-Ser127) Antibody. The picture on the right is blocked with the phospho peptide.

Background

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.

Sorrentino G, et al. (2014) Nat Cell Biol 16, 357-66

Yang S, et al. (2014) Cell Signal 26, 343-51

Sun W, et al. (2014) Mol Biol Rep 41, 947-56

Published Papers

el et al., MST2 methylation by PRMT5 inhibits Hippo signaling and promotes pancreatic cancer progression In EMBO J On 2023 Dec by Yan Sun # 1 2, Xin Jin et al. PMID: 37905571, (2023)

[PMID:37905571](https://pubmed.ncbi.nlm.nih.gov/37905571/)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.