Product Datasheet

YAP1 (Phospho-S127) Rabbit mAb

Catalog No: #13401

Package Size: #13401-1 50ul #13401-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	YAP1 (Phospho-S127) Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	SN0718
Purification	ProA affinity purified
Applications	WB;ICC/IF;IHC
Species Reactivity	Human;Mouse;Rat
Immunogen Description	Human breast carcinoma tissue, human kidney tissue, mouse kidney tissue.
Conjugates	Unconjugated
Other Names	65 kDa Yes associated protein antibody 65 kDa Yes-associated protein antibody COB1 antibody YAp 1 antibody YAP 65 antibody YAP antibody YAP1 antibody YAP1_HUMAN antibody YAP2 antibody YAP65 antibody yes -associated protein delta antibody Yes associated protein 1 65kDa antibody Yes associated protein 1 antibody Yes associated protein 2 antibody yes associated protein beta antibody YKI antibody Yorkie homolog antibody
Accession No.	Swiss-Prot#:P46937
Calculated MW	54 kDa
SDS-PAGE MW	65 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

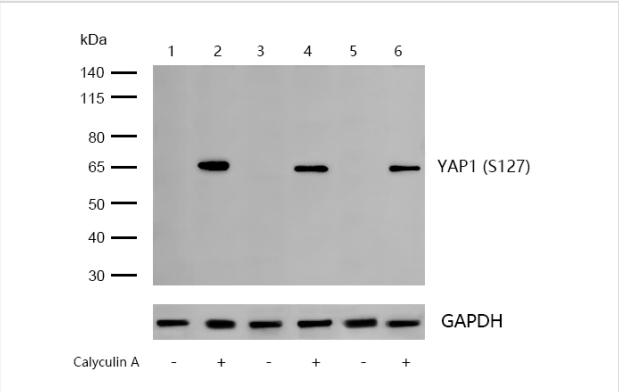
Application Details

WB: 1:500-1:2000

ICC/IF: 1:50-1:200

IHC: 1:50-1:200

Images



All lanes : YAP1 (Phospho-S127) Rabbit mAb at 1/500 dilution

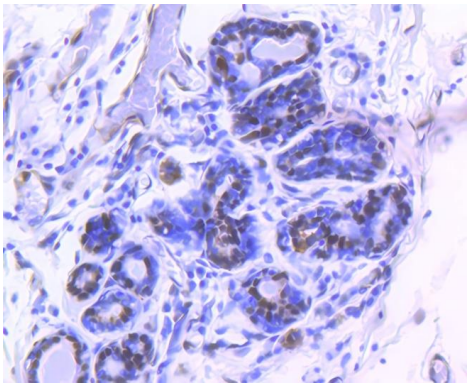
Lane 1 : Hela whole cell lysates
Lane 2 : Hela treated with 100nM Calyculin A for 30 minutes whole cell lysates
Lane 3 : C6 whole cell lysates
Lane 4 : C6 treated with 100nM Calyculin A for 30 minutes whole cell lysates
Lane 5 : NIH/3T3 whole cell lysates
Lane 6 : NIH/3T3 treated with 100nM Calyculin A for 30 minutes whole cell lysates

Lysates/proteins at 20 µg per lane.

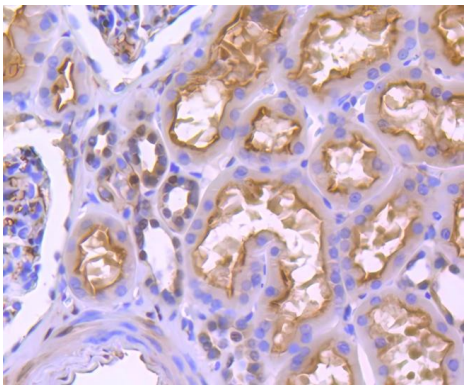
Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 54 kDa
Observed band size: 65kDa

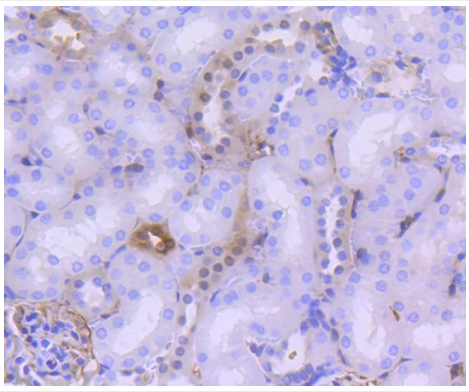
Exposure time: 7 seconds



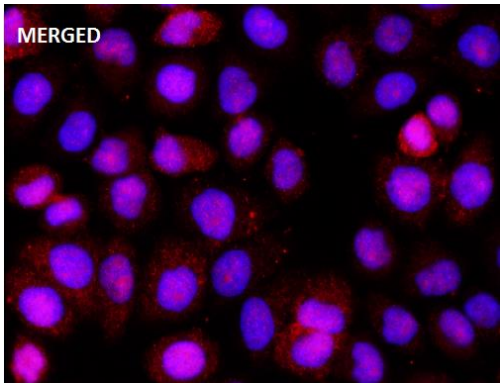
Formalin-fixed;paraffin-embedded human breast carcinoma tissue stained for YAP1 (Phospho-S127) using 13401 at 1/100 dilution in immunohistochemical analysis.



Formalin-fixed;paraffin-embedded human kidney tissue stained for YAP1 (Phospho-S127) using 13401 at 1/100 dilution in immunohistochemical analysis.



Formalin-fixed;paraffin-embedded mouse kidney tissue stained for YAP1 (Phospho-S127) using 13401 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence YAP1 (Phospho-S127) antibody (13401)
ICC/IF staining of YAP1 (Phospho-S127) in HeLa cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.
Samples were incubated with 13401 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 647 goat anti rabbit;used at a dilution of 1/500.
Nuclei were counterstained with DAPI.

Background

The Yes-associated protein, otherwise known as YAP, is a 14-3-3-binding molecule that was originally recognized by virtue of its ability to bind to the SH3 domain of Yes. The binding of YAP to 14-3-3 requires the phosphorylation of a homologous serine residue (Ser 112) in the YAP 14-3-3-binding motif. The highly conserved and ubiquitously expressed 14-3-3 proteins regulate differentiation, cell cycle progression and apoptosis by binding intracellular phosphoproteins involved in signal transduction. YAP may link events at the plasma membrane and cytoskeleton to inhibition of transcription in the nucleus in a manner regulated by 14-3-3 proteins. YAP shares homology with the WW domain of TAZ, transcriptional co-activator with PDZ-binding motif, which functions as a transcriptional co-activator by binding to the PPXY motif present in transcription factors. YAP is expressed at high levels in the lung, placenta, prostate, ovary and testis.

References

1. Ye L et al. Decreased Yes-Associated Protein-1 (YAP1) Expression in Pediatric Hearts with Ventricular Septal Defects. PLoS One 10:e0139712 (2015).
2. Whiteman EL et al. Crumbs3 is essential for proper epithelial development and viability. Mol Cell Biol 34:43-56 (2014).

Published Papers

el at., CSRP2 suppresses colorectal cancer progression viap130Cas/Racl axis-meditated ERK,PAK, and HIPPOsignaling pathways. In Theranostics on 2020 Sep 2 by Lixia Chen , Xiaoli Long,et al.., , (2021)

PMID:33042270

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