

# phospho-YAP1-S127 Rabbit mAb

Catalog No.: AP1398 **Recombinant**

## Basic Information

### Observed MW

75kDa

### Calculated MW

54kDa

### Category

Primary antibody

### Applications

WB,IHC-P,ELISA

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC3136

## Background

This gene encodes a downstream nuclear effector of the Hippo signaling pathway which is involved in development, growth, repair, and homeostasis. This gene is known to play a role in the development and progression of multiple cancers as a transcriptional regulator of this signaling pathway and may function as a potential target for cancer treatment. Alternative splicing results in multiple transcript variants encoding different isoforms.

## Recommended Dilutions

**WB** 1:10000 - 1:20000

**IHC-P** 1:500 - 1:2000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

10413

### Swiss Prot

P46937

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

YAP; YKI; COB1; YAP2; YAP-1; YAP65; phospho-YAP1-S127

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

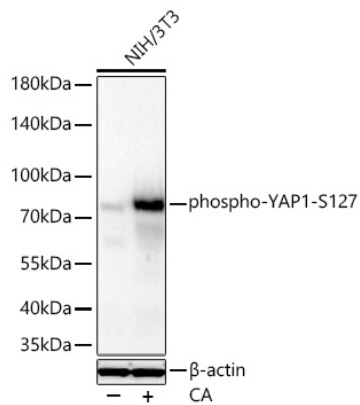
Affinity purification

### Storage

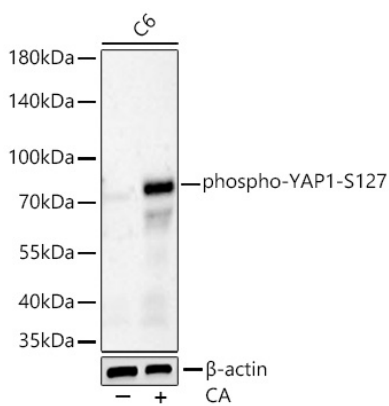
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% Sodium azide,0.05% BSA,40% glycerol,pH7.2.

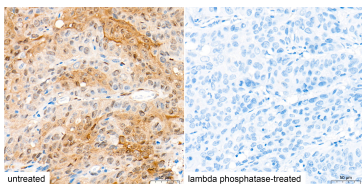
## Validation Data



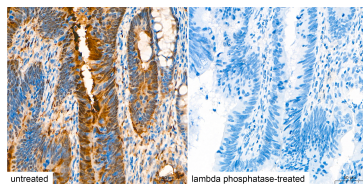
Western blot analysis of lysates from NIH/3T3 cells using phospho-YAP1-S127 Rabbit mAb (AP1398) at 1:20000 dilution incubated at room temperature for 1.5 hours. NIH/3T3 cells were treated with CA (100 nM) at 37°C for 30 minutes after serum-starvation overnight.  
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 30 µg per lane.  
 Blocking buffer: 3 % nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 90s.



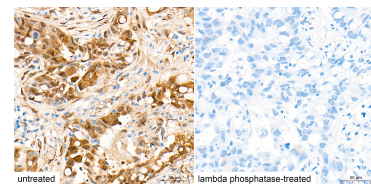
Western blot analysis of lysates from C6 cells using phospho-YAP1-S127 Rabbit mAb (AP1398) at 1:20000 dilution incubated at room temperature for 1.5 hours. C6 cells were treated with CA (100 nM) at 37°C for 30 minutes after serum-starvation overnight.  
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 30 µg per lane.  
 Blocking buffer: 3 % nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 180s.



Immunohistochemistry analysis of paraffin-embedded Human cervix cancer tissue, untreated (left) and lambda phosphatase-treated (right), using phospho-YAP1-S127 Rabbit mAb (AP1398) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



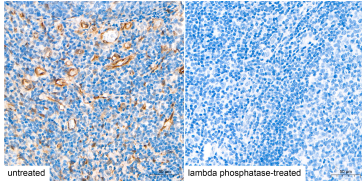
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue, untreated (left) and lambda phosphatase-treated (right), using phospho-YAP1-S127 Rabbit mAb (AP1398) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



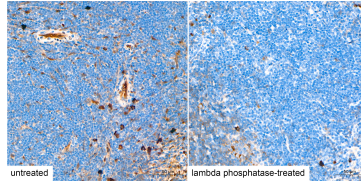
Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue, untreated (left) and lambda phosphatase-treated (right), using phospho-YAP1-S127 Rabbit mAb (AP1398) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

## Validation Data

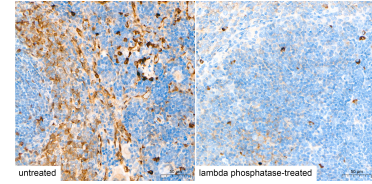
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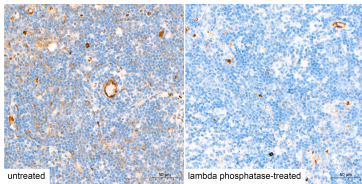
Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue, untreated (left) and lambda phosphatase-treated (right), using phospho-YAP1-S127 Rabbit mAb (AP1398) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue, untreated (left) and lambda phosphatase-treated (right), using phospho-YAP1-S127 Rabbit mAb (AP1398) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue, untreated (left) and lambda phosphatase-treated (right), using phospho-YAP1-S127 Rabbit mAb (AP1398) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat thymus tissue, untreated (left) and lambda phosphatase-treated (right), using phospho-YAP1-S127 Rabbit mAb (AP1398) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.