

# PI3KP85 $\alpha$ /P55 $\gamma$ /P85 $\beta$ Rabbit pAb

Catalog No.: A18355 **4 Publications**

## Basic Information

### Observed MW

55 kDa/85 kDa

### Calculated MW

42-54 kDa/81-84 kDa

### Category

Primary antibody

### Applications

WB,IF/ICC,ELISA

### Cross-Reactivity

Human, Mouse, Rat

## Background

Phosphatidylinositol 3-kinase (PI3K) phosphorylates phosphatidylinositol and similar compounds, which then serve as second messengers in growth signaling pathways. PI3K is composed of a catalytic and a regulatory subunit. The protein encoded by this gene represents a regulatory subunit of PI3K. The encoded protein contains two SH2 domains through which it binds activated protein tyrosine kinases to regulate their activity.

## Recommended Dilutions

**WB** 1:500 - 1:2000

**IF/ICC** 1:50 - 1:200

**ELISA** Recommended starting concentration is 1  $\mu$ g/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

5295/5296/8503

### Swiss Prot

P27986/O00459/Q92569

### Immunogen

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

### Synonyms

PIK3R1/PIK3R2/PIK3R3; PI3KP85 $\alpha$ /P55 $\gamma$ /P85 $\beta$

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

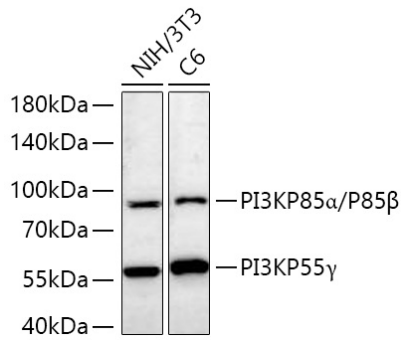
### Storage

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

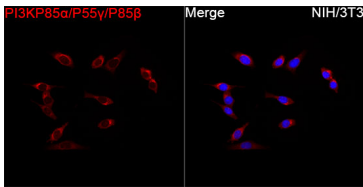
Buffer: PBS with 0.09% sodium azide,50% glycerol,pH7.3.

## Validation Data

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Western blot analysis of various lysates using PI3KP85 $\alpha$ /P55 $\gamma$ /P85 $\beta$  Rabbit pAb (A18355) at 1:1000 dilution incubated overnight at 4°C.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25  $\mu$ g per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 45 s.



Immunofluorescence analysis of NIH/3T3 cells using PI3KP85 $\alpha$ /P55 $\gamma$ /P85 $\beta$  Rabbit pAb (A18355) at a dilution of 1:100 (40x lens).  
Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.