

A12484

Leader in Biomolecular Solutions for Life Science



# PIK3CA Rabbit pAb

Catalog No.: A12484 **3 Publications**

## Basic Information

### Observed MW

110kDa

### Calculated MW

124kDa

### Category

Polyclonal Antibody

### Applications

WB,IHC-P,ELISA

### Cross-Reactivity

Human,Mouse,Rat

## Background

Phosphatidylinositol 3-kinase is composed of an 85 kDa regulatory subunit and a 110 kDa catalytic subunit. The protein encoded by this gene represents the catalytic subunit, which uses ATP to phosphorylate PtdIns, PtdIns4P and PtdIns(4,5)P2. This gene has been found to be oncogenic and has been implicated in cervical cancers. A pseudogene of this gene has been defined on chromosome 22.

## Recommended Dilutions

**WB** 1:500 - 1:1000

**IHC-P** 1:50 - 1:200

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

## Immunogen Information

### Gene ID

5290

### Swiss Prot

P42336

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

MCM; CCM4; CWS5; MCAP; PI3K; CLAPO; CLOVE; MCMTC; PI3K-alpha; p110-alpha; PIK3CA

## Contact

 [www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

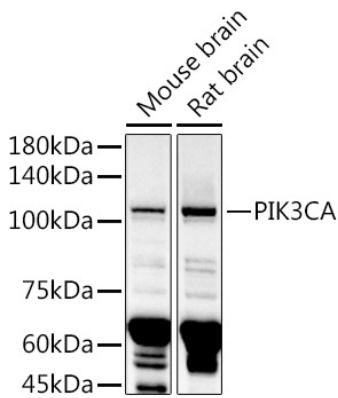
Affinity purification

### Storage

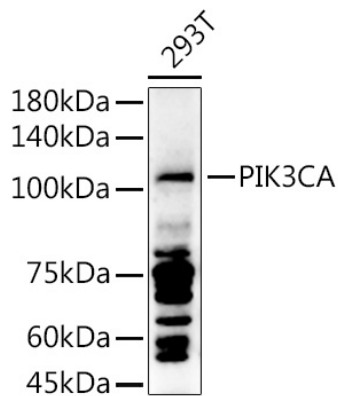
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

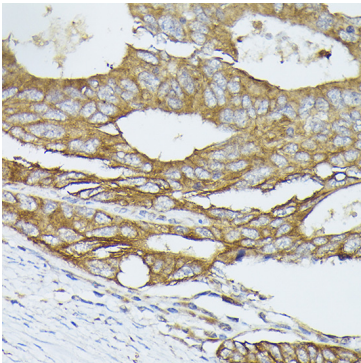
## Validation Data



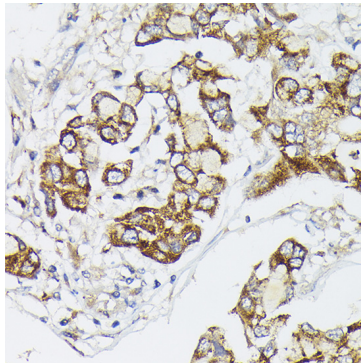
Western blot analysis of various lysates using PIK3CA Rabbit pAb (A12484) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 180s.



Western blot analysis of lysates from 293T cells, using PIK3CA Rabbit pAb (A12484) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Enhanced Kit (RM00021).  
Exposure time: 90s.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using PIK3CA Rabbit pAb (A12484) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using PIK3CA Rabbit pAb (A12484) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.