

# PI3 Kinase p85 alpha Rabbit Polyclonal Antibody



CAB0054

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

90kDa

### Calculated MW:

42kDa/49kDa/53kDa/83kDa/  
84kDa

### Applications:

WB IHC

### Reactivity:

Human, Rat

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein Background

Phosphatidylinositol 3-kinase phosphorylates the inositol ring of phosphatidylinositol at the 3-prime position. The enzyme comprises a 110 kD catalytic subunit and a regulatory subunit of either 85, 55, or 50 kD. This gene encodes the 85 kD regulatory subunit. Phosphatidylinositol 3-kinase plays an important role in the metabolic actions of insulin, and a mutation in this gene has been associated with insulin resistance. Alternative splicing of this gene results in four transcript variants encoding different isoforms.

## Immunogen information

### Gene ID:

5295

### Uniprot

P27986

### Synonyms:

AGM7; GRB1; IMD36; p85; p85-ALPHA; PI3 Kinase p85 alpha;  
PIK3R1

### Immunogen:

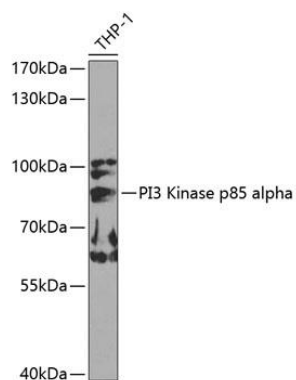
Recombinant fusion protein containing a sequence corresponding to amino acids 1-300 of human PI3 Kinase p85 alpha (NP\_852556.2).

### Storage:

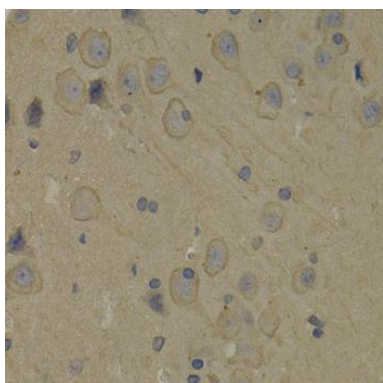
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

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Western blot analysis of extracts of THP-1 cells, using PI3 Kinase p85 alpha antibody (CAB0054) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.



Immunohistochemistry of paraffin-embedded rat brain using PI3 Kinase p85 alpha antibody (CAB0054) at dilution of 1:100 (40x lens).