

# PI3 Kinase p85 alpha Rabbit pAb

Catalog No.: A11402 **2 Publications**

## Basic Information

### Observed MW

85kDa

### Calculated MW

84kDa

### Category

Primary antibody

### Applications

WB,IF/ICC,ELISA

### Cross-Reactivity

Mouse, Rat

## 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.

## Recommended Dilutions

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

**IF/ICC** 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

5295

### Swiss Prot

P27986

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 240-380 of human PI3 Kinase p85 alpha (NP\_852556.2).

### Synonyms

p85; AGM7; GRB1; IMD36; p85alpha; p85-ALPHA; PI3 Kinase p85 alpha

## 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% thimerosal, 50% glycerol, pH7.3.