

# PI3 Kinase p85 alpha Rabbit pAb

Catalog No.: A0054

## Basic Information

### Catalog No.

A0054

### Observed MW

85kDa

### Calculated MW

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

### Category

Primary antibody

### Applications

WB, IHC

### Cross-Reactivity

Human, Rat

## Recommended Dilutions

<b>WB</b>	1:500 - 1:2000
<b>IHC</b>	1:50 - 1:200

## Contact

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

## 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

<b>Gene ID</b>	<b>Swiss Prot</b>
5295	P27986

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 125-320 of human PI3 Kinase p85 alpha (NP\_852664.1).

### Synonyms

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

## Product Information

<b>Source</b>	<b>Isotype</b>	<b>Purification</b>
Rabbit	IgG	Affinity purification

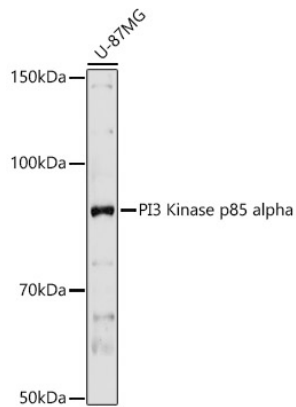
### Storage

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

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

## Validation Data

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Western blot analysis of extracts of U-87MG cells, using PI3 Kinase p85 alpha antibody (A0054) at 1:1000 dilution.

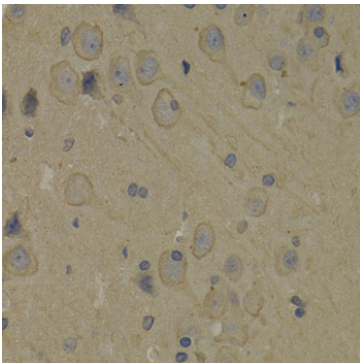
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.



Immunohistochemistry of paraffin-embedded rat brain using PI3 Kinase p85 alpha antibody (A0054) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.