

PI3 Kinase p85 alpha Rabbit pAb

Catalog No.: A0054

Basic Information

Catalog No.

A0054

Observed MW

90kDa

Calculated MW

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

Category

Primary antibody

Applications

WB, IHC


Cross-Reactivity

Human, Rat

Recommended Dilutions

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

Contact

 | 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

Gene ID	Swiss Prot
5295	P27986

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-300 of human PI3 Kinase p85 alpha (NP_852556.2).

Synonyms

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

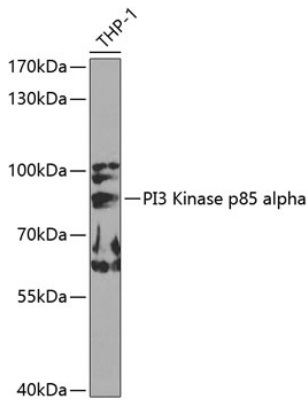
Product Information

Source	Isotype	Purification
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

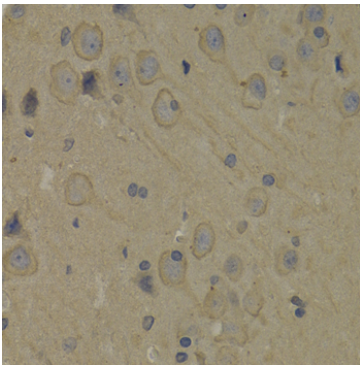


Western blot analysis of extracts of THP-1 cells, using PI3 Kinase p85 alpha antibody (A0054) at 1:1000 dilution.

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.



Immunohistochemistry of paraffin-embedded rat brain using PI3 Kinase p85 alpha antibody (A0054) at dilution of 1:100 (40x lens).