

PI3 Kinase p85 alpha Mouse mAb

Catalog No.: A18640 **3 Publications**

Basic Information

Observed MW

84kDa

Calculated MW

84kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

AMC0492

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

Immunogen Information

Gene ID

5295

Swiss Prot

P27986

Immunogen

Recombinant protein of Human PI3 Kinase p85 alpha.

Synonyms

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

Contact

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Product Information

Source

Mouse

Isotype

IgG1

Purification

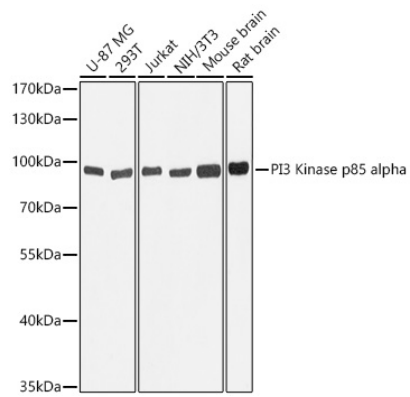
Affinity purification

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 various lysates using PI3 Kinase p85 alpha Mouse mAb (A18640) at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Mouse IgG (H+L)(AS003) at 1:10000 dilution.

Lysates / proteins: 25 µg per lane.

Blocking buffer: 3 % nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.