

PI3 Kinase p85 alpha Rabbit pAb

Catalog No.: A0054 **1 Publications**

Basic Information

Observed MW

85kDa

Calculated MW

84kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P

Cross-Reactivity

Human, 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 1:1000 - 1:5000

IHC-P 1:50 - 1:200

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_852664.1).

Synonyms

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

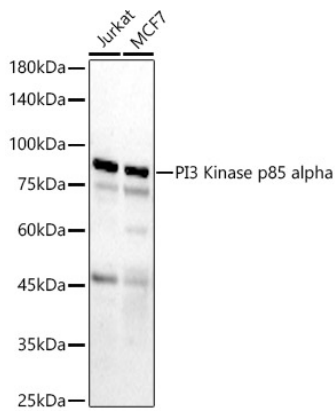
Affinity purification

Storage

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

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of various lysates, using PI3 Kinase p85 alpha Rabbit pAb (A0054) at 1:1000 dilution.

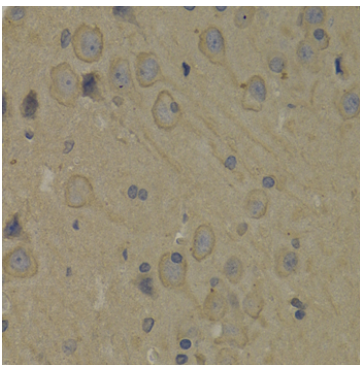
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.



Immunohistochemistry analysis of paraffin-embedded rat brain using PI3 Kinase p85 alpha Rabbit pAb (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.