

A4992

Leader in Biomolecular Solutions for Life Science



PI3 Kinase p85 alpha Rabbit mAb

Catalog No.: A4992

Recombinant

26 Publications

Basic Information

Observed MW

85kDa

Calculated MW

84kDa

Category

SMab Recombinant Monoclonal
Antibody

Applications

WB,IHC-P,ELISA

Cross-Reactivity

Human,Mouse,Rat

CloneNo number

ARC55272

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 | Swiss Prot |
| 5295 | P27986 |

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human PI3 Kinase p85 alpha (P27986).

Synonyms

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

Contact

 www.abclonal.com

Product Information

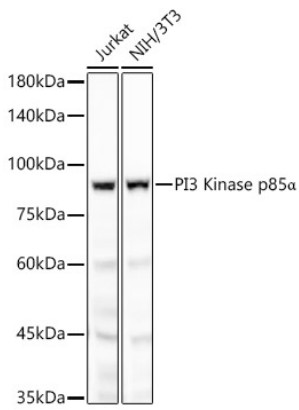
| | | |
|---------------|----------------|-----------------------|
| Source | Isotype | Purification |
| Rabbit | IgG | Affinity purification |

Storage

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

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates, using PI3 Kinase p85 alpha Rabbit mAb (A4992) at 1:2000 dilution.

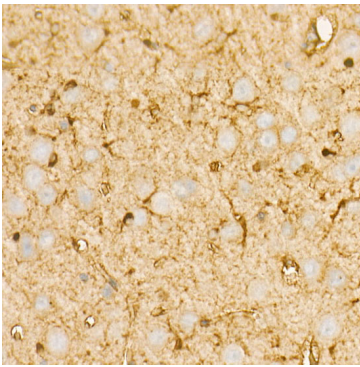
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

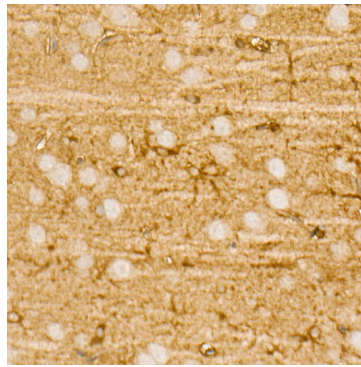
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.



Immunohistochemistry analysis of paraffin-embedded Mouse brain using PI3 Kinase p85 alpha Rabbit mAb (A4992) at dilution of 1:60 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded Rat brain using PI3 Kinase p85 alpha Rabbit mAb (A4992) at dilution of 1:60 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.