Anti-Human/Mouse/Rat/Monkey Phospho-PI 3 kinase p85 alpha /gamma (Tyr467/199) Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA01621

3th Edition

Description: The enzyme phosphatidylinositol 3 kinase (PI3 kinase) is a lipid kinase that generates phosphatidylinositol 3, 4, 5-triphosphate in response to receptor activation in many signal transduction pathways. Class IA PI3Ks exist as a heterodimer of a catalytic 110 kDa (p110) and a regulatory p85 subunit (e.g. p85 alpha). p85 alpha is an adaptor molecule that regulates the activity of the catalytic p110 subunit by binding to phosphorylated receptor tyrosine kinases (RTKs) through its SH2 domain and mediating the interaction between p110 and the plasma membrane. p85 alpha is necessary for insulin-stimulated increase in glucose uptake and glycogen synthesis in insulin-sensitive tissues.

Antigen: Synthesized peptide derived from human PI 3-kinase p85/p55 around the phosphorylation site of Tyr467/199

Form:

How to use:1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution:PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity:PI 3 kinase p85 alpha is Isoform 2 is expressed in skeletal muscle and brain, and at lower levels in kidney and cardiac muscle. Isoform 2 and isoform 4 are present in skeletal muscle (at protein level).1 PublicationPI 3 kinase p85 gamma isHighest levels in brain and testis. Lower levels in adipose tissue, kidney, heart, lung and skeletal muscle.