

Product Data Sheet: PI 3-kinase p85α Rabbit Polyclonal Antibody

Cat. No: AB-E12363
Conjugate: Unconjugated

Size: 100 ug

Clone: POLY

Concentration: 1mg/ml

Host: Rabbit

Isotype: IgG

Immunogen: The antiserum was produced against synthesized peptide derived from human

PI3-kinase p85-alpha. AA range:573-622

Reactivity: Human; Mouse; Rat

Applications: Western Blot: 1:500/1:2000 Immunohistochemistry: 1/100 - 1/300.

Immunofluorescence: 1/200 - 1/1000.

Molecular Weight: 85kD

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

PIK3R1; GRB1; Phosphatidylinositol 3-kinase regulatory subunit alpha; PI3-kinase

regulatory subunit alpha; PI3K regulatory subunit alpha; PtdIns-3-kinase

Synonyms: regulatory subunit alpha; Phosphatidylinositol 3-kinase 85 kDa regulatory subunit

alpha

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

Background: 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.

Form: Liquid

Buffer: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Storage: Store at -20°C. Avoid repeated freeze-thaw cycles.