



PI 3-kinase p85 α rabbit pAb

Cat No.:ES8936

For research use only

Overview

Product Name	PI 3-kinase p85 α rabbit pAb
Host species	Rabbit
Applications	IF;WB;IHC;ELISA
Species Cross-Reactivity	Human;Mouse;Rat;Pig
Recommended dilutions	IF: 1:50-200 Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	Synthesized peptide derived from PI 3-kinase p85 α . at AA range: 550-630
Specificity	This antibody detects endogenous levels of PI 3-kinase p85 α .
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20 $^{\circ}$ C . Avoid repeated freeze-thaw cycles.
Protein Name	Phosphatidylinositol 3-kinase regulatory subunit alpha
Gene Name	PIK3R1
Cellular localization	nucleus,cytoplasm,cis-Golgi network,cytosol,plasma membrane,cell-cell junction,phosphatidylinositol 3-kinase complex,phosphatidylinositol 3-kinase complex, class IA,membrane,perinuclear endoplasmic reticulum membrane,
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	54+83kD
Human Gene ID	5295
Human Swiss-Prot Number	P27986
Alternative Names	PIK3R1; GRB1; Phosphatidylinositol 3-kinase regulatory subunit alpha; PI3-kinase regulatory subunit alpha; PI3K regulatory subunit alpha;





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Background

PtdIns-3-kinase 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 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. [provided by RefSeq, Jun 2011],



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