



Anti-PIK3R1 (aa 251-360) polyclonal antibody (DPAB-DC2254)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	PIK3R1 (NP_852556, 251 a.a. ~ 360 a.a) partial recombinant protein with GST tag. The sequence is IQRIMHNYDKLKSRISRIIDSRRRLEEDLKKQAAEYREIDKRMNSIKPDLIQLRKT RDQY LMWLTQKGV RQKKLNEWLGNENTEDQYSLVEDDEDLPHHDEKTWNVGSSN
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PIK3R1 phosphoinositide-3-kinase, regulatory subunit 1 (alpha) [Homo sapiens (human)]
Official Symbol	PIK3R1
Synonyms	PIK3R1; phosphoinositide-3-kinase, regulatory subunit 1 (alpha); p85; AGM7; GRB1; p85-ALPHA; phosphatidylinositol 3-kinase regulatory subunit alpha; PI3-kinase subunit p85-alpha; PI3K regulatory subunit alpha; ptdIns-3-kinase regulatory subunit alpha; phosphoinositide-3-kinase regulatory subunit; phosphatidylinositol 3-kinase-associated p-85 alpha; phosphatidylinositol 3-kinase 85 kDa regulatory subunit alpha; phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p85 alpha);
Entrez Gene ID	5295
Protein Refseq	NP_001229395
UniProt ID	P27986
Chromosome Location	5q13.1
Pathway	3-phosphoinositide biosynthesis; AMPK signaling pathway; Adaptive Immune System; Aldosterone-regulated sodium reabsorption
Function	ErbB-3 class receptor binding; insulin binding; insulin receptor binding; insulin receptor substrate binding