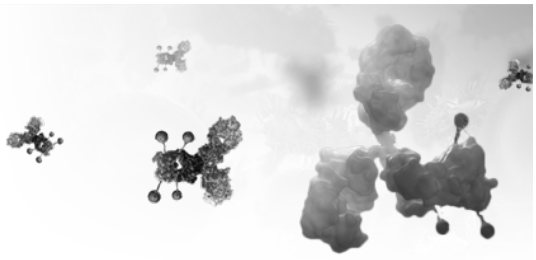

Anti-PIK3C2G (aa 2-100) polyclonal antibody (DPAB-DC2248)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene belongs to the phosphoinositide 3-kinase (PI3K) family. PI3-kinases play roles in signaling pathways involved in cell proliferation, oncogenic transformation, cell survival, cell migration, and intracellular protein trafficking. This protein contains a lipid kinase catalytic domain as well as a C-terminal C2 domain, a characteristic of class II PI3-kinases. C2 domains act as calcium-dependent phospholipid binding motifs that mediate translocation of proteins to membranes, and may also mediate protein-protein interactions. This gene may play a role in several diseases, including type II diabetes. Alternative splicing results in multiple transcript variants.
Immunogen	PIK3C2G (NP_004561, 2 a.a. ~ 100 a.a) partial recombinant protein with GST tag. The sequence is AYSWQTDPNPNESHEKQYEHQEFLFVNQPHSSSQVSLGFDQIVDEISGKIPHYESEIDEN TFFVPTAPKWDSTGHSLNEAHQISLNEFTSKSRELSWHQ
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.

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

GENE INFORMATION

Gene Name	PIK3C2G phosphatidylinositol-4-phosphate 3-kinase, catalytic subunit type 2 gamma [Homo sapiens (human)]
Official Symbol	PIK3C2G
Synonyms	PIK3C2G; phosphatidylinositol-4-phosphate 3-kinase, catalytic subunit type 2 gamma; PI3K-C2GAMMA; PI3K-C2-gamma; phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit gamma; PTDINS-3-kinase C2 gamma; ptdIns-3-kinase C2 subunit gamma; phosphoinositide-3-kinase, class 2, gamma polypeptide; phosphatidylinositol-4-phosphate 3-kinase C2 domain-containing subunit gamma; phosphatidylinositol-4-phosphate 3-kinase C2 domain-containing gamma polypeptide;
Entrez Gene ID	5288
Protein Refseq	NP_001275701
UniProt ID	B7ZLY6
Chromosome Location	12p12
Pathway	3-phosphoinositide biosynthesis; Insulin Signaling; Metabolism of lipids and lipoproteins; Phosphatidylinositol signaling system
Function	1-phosphatidylinositol-3-kinase activity; 1-phosphatidylinositol-4-phosphate 3-kinase activity; ATP binding; phosphatidylinositol binding

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221