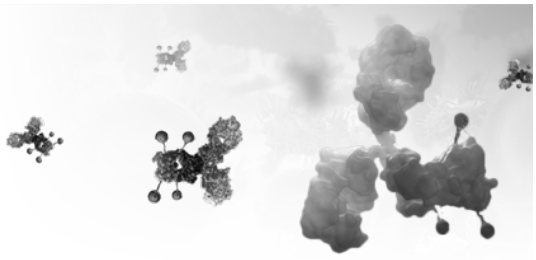

Anti-PIK3C2A polyclonal antibody (DPAB-DC2245)

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. The PI3-kinase activity of this protein is not sensitive to nanomolar levels of the inhibitor wortmanin. This protein was shown to be able to be activated by insulin and may be involved in integrin-dependent signaling.
Immunogen	A synthetic peptide corresponding to human PIK3C2A. The sequence is C-TVKWYQLTAATYL
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	IHC-P, ELISA,
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Preservative	0.02% Sodium Azide

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Storage	Store at -20°C.Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PIK3C2A phosphatidylinositol-4-phosphate 3-kinase, catalytic subunit type 2 alpha [Homo sapiens (human)]
Official Symbol	PIK3C2A
Synonyms	PIK3C2A; phosphatidylinositol-4-phosphate 3-kinase, catalytic subunit type 2 alpha; CPK; PI3-K-C2A; PI3-K-C2(ALPHA); phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit alpha; PI3K-C2alpha; PI3K-C2-alpha; ptdIns-3-kinase C2 subunit alpha; phosphoinositide 3-kinase-C2-alpha; C2-containing phosphatidylinositol kinase; phosphoinositide-3-kinase, class 2, alpha polypeptide; phosphatidylinositol-4-phosphate 3-kinase C2 domain-containing subunit alpha;
Entrez Gene ID	5286
Protein Refseq	NP_002636
UniProt ID	L7RRS0
Chromosome Location	11p15.5-p14
Pathway	3-phosphoinositide biosynthesis; Golgi Associated Vesicle Biogenesis; Insulin Signaling; Membrane Trafficking
Function	1-phosphatidylinositol-3-kinase activity; 1-phosphatidylinositol-4-phosphate 3-kinase activity; ATP binding; phosphatidylinositol 3-kinase activity

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