

## PI 3-Kinase C2 Gamma Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP07134
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	Synthesized peptide derived from the N-terminal region of human PI 3-Kinase C2 $\gamma$ .
<b>Mol wt</b>	166095
<b>Species reactivity</b>	Human
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	PI 3-Kinase C2gamma Antibody
<b>Synonyms</b>	PIK3C2G; Phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit gamma; PI3K-C2-gamma; PtdIns-3-kinase C2 subunit gamma; Phosphoinositide 3-kinase-C2-gamma

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

The protein encoded by PIK3C2G (phosphatidylinositol-4-phosphate 3-kinase catalytic subunit type 2 gamma) 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. PIK3C2G may play a role in several diseases, including type II diabetes. Alternative splicing results in multiple transcript variants.

### Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 10000

Not yet tested in other applications.

### Images



Western blot analysis of A549 using PI 3-Kinase C2 $\gamma$  antibody. Secondary antibody was diluted at 1:20000

### Storage

-20°C for one year