

Datasheet for ABIN1714258

**anti-PIK3 gamma antibody (pSer1101)**[Go to Product page](#)

## Overview

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| Quantity:            | 100 µL                                                                                                                                                                                                                                                                                      |
| Target:              | PIK3 gamma (PIK3CG)                                                                                                                                                                                                                                                                         |
| Binding Specificity: | pSer1101                                                                                                                                                                                                                                                                                    |
| Reactivity:          | Human                                                                                                                                                                                                                                                                                       |
| Host:                | Rabbit                                                                                                                                                                                                                                                                                      |
| Clonality:           | Polyclonal                                                                                                                                                                                                                                                                                  |
| Conjugate:           | This PIK3 gamma antibody is un-conjugated                                                                                                                                                                                                                                                   |
| Application:         | Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)),<br>Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-<br>embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)),<br>Immunocytochemistry (ICC) |

## Product Details

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|-----------------------|---------------------------------------------------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic phosphopeptide derived from human PIK3 gamma around the<br>phosphorylation site of Ser1101 |
| Isotype:              | IgG                                                                                                                 |
| Predicted Reactivity: | Human,Mouse,Rat,Dog,Cow,Sheep,Pig,Horse,Chicken,Rabbit                                                              |
| Purification:         | Purified by Protein A.                                                                                              |

## Target Details

|         |                     |
|---------|---------------------|
| Target: | PIK3 gamma (PIK3CG) |
|---------|---------------------|

## Target Details

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|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Abstract:   | <a href="#">PIK3CG Products</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Background: | <p>Synonyms: PK3CG_HUMAN, Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit gamma isoform, PI3-kinase subunit gamma, PI3K-gamma, PI3Kgamma, PtdIns-3-kinase subunit gamma, Phosphatidylinositol 4,5-bisphosphate 3-kinase 110 kDa catalytic subunit gamma, PtdIns-3-kinase subunit p110-gamma, p110gamma, Phosphoinositide-3-kinase catalytic gamma polypeptide, Serine/threonine protein kinase PIK3CG, 1 phosphatidylinositol 3 kinase, p120-PI3K, p120 PI3K, 5-bisphosphate 3-kinase 110 kDa catalytic subunit gamma, 5-bisphosphate 3-kinase catalytic subunit gamma isoform, p110 gamma, Phosphatidylinositol 3 kinase catalytic 110 kD gamma,</p> <p>Background: This gene encodes a protein that belongs to the pi3/pi4-kinase family of proteins. The gene product is an enzyme that phosphorylates phosphoinositides on the 3-hydroxyl group of the inositol ring. It is an important modulator of extracellular signals, including those elicited by E-cadherin-mediated cell-cell adhesion, which plays an important role in maintenance of the structural and functional integrity of epithelia. In addition to its role in promoting assembly of adherens junctions, the protein is thought to play a pivotal role in the regulation of cytotoxicity in NK cells. The gene is located in a commonly deleted segment of chromosome 7 previously identified in myeloid leukemias. [provided by RefSeq, Jul 2008].</p> |
| Gene ID:    | 5294                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Pathways:   | <a href="#">PI3K-Akt Signaling</a> , <a href="#">RTK Signaling</a> , <a href="#">AMPK Signaling</a> , <a href="#">TLR Signaling</a> , <a href="#">Inositol Metabolic Process</a> , <a href="#">Hepatitis C</a> , <a href="#">VEGF Signaling</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## Application Details

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|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | WB 1:300-5000<br>ELISA 1:500-1000<br>IHC-P 1:200-400<br>IHC-F 1:100-500<br>IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200<br>ICC 1:100-500 |
| Restrictions:      | For Research Use only                                                                                                                                    |

## Handling

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| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.                                              |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | 4 °C,-20 °C                                                                                                        |
| Storage Comment:   | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.                                    |
| Expiry Date:       | 12 months                                                                                                          |