

## Rabbit PIK3CG Polyclonal Antibody | anti-PIK3CG antibody

PIK3CG Polyclonal Antibody

|                               |                       |                                        |                                                    |
|-------------------------------|-----------------------|----------------------------------------|----------------------------------------------------|
| CATALOG #<br><b>AAA167677</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, ELISA</b> |
|-------------------------------|-----------------------|----------------------------------------|----------------------------------------------------|

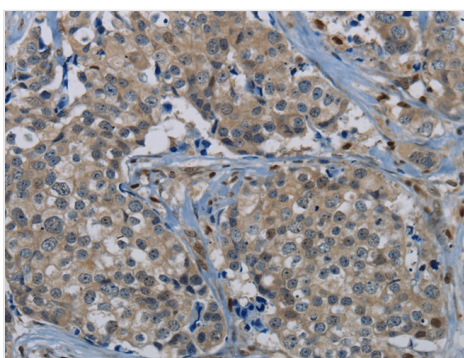
### PRODUCT SYNONYMS

PIK3CG; Polyclonal Antibody; PIK3CG Polyclonal Antibody; PI3K; PIK3; PI3CG; PI3Kgamma; p110gamma; p120-PI3K; anti-PIK3CG antibody

### PRODUCT SPECIFICATIONS

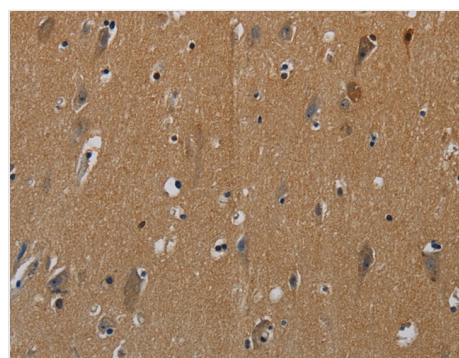
|                                                  |                                                                                           |
|--------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                    |
| Reactivity                                       | Human, Mouse, Rat                                                                         |
| Clonality                                        | Polyclonal                                                                                |
| Isotype                                          | IgG                                                                                       |
| Purity/Purification                              | Antigen affinity purification                                                             |
| Concentration                                    | 2.8mg/mL (varies by lot)                                                                  |
| Sequence Length                                  | 1102                                                                                      |
| Applicable Applications for anti-PIK3CG antibody | IHC (Immunohistochemistry), ELISA                                                         |
| Immunogen                                        | Synthetic peptide of human PIK3CG                                                         |
| Buffer                                           | PBS with 0.05% sodium azide, 50% glycerol, pH7.3                                          |
| Preparation and Storage                          | Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles. |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human breast cancer tissue using PIK3CG Polyclonal Antibody at dilution 1:50



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human brain tissue using PIK3CG Polyclonal Antibody at dilution 1:50

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| Related Product Information for anti-PIK3CG antibody | 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. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 539846764                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| NCBI GeneID                      | 5294                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| NCBI Accession #                 | NP_001269356.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| NCBI GenBank Nucleotide #        | NM_001282427.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Molecular Weight                 | 126,454 Da                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| NCBI Official Full Name          | phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit gamma isoform                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| NCBI Official Synonym Full Names | phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit gamma                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| NCBI Official Symbol             | PIK3CG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| NCBI Official Synonym Symbols    | PI3K; PIK3; PI3CG; PI3Kgamma; p110gamma; p120-PI3K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| NCBI Protein Information         | phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit gamma isoform; 1-phosphatidylinositol 3-kinase; PI3-kinase subunit gamma; phosphatidylinositol 3 kinase gamma, p110 gamma; phosphatidylinositol 3-kinase catalytic 110-kD gamma; phosphatidylinositol-4,5-bisphosphate 3-kinase 110 kDa catalytic subunit gamma; phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit gamma isoform; phosphoinositide-3-kinase gamma catalytic subunit; ptdIns-3-kinase subunit gamma; ptdIns-3-kinase subunit p110-gamma; serine/threonine protein kinase PIK3CG |
| UniProt Protein Name             | Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit gamma isoform                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| UniProt Gene Name                | PIK3CG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| UniProt Synonym Gene Names       | PI3-kinase subunit gamma; PI3K-gamma; PI3Kgamma; PtdIns-3-kinase subunit gamma; PtdIns-3-kinase subunit p110-gamma; p110gamma                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| UniProt Entry Name               | PK3CG_HUMAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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