

Datasheet for ABIN5542535  
**anti-PIK3 gamma antibody (AA 1-100)**

## 3 Images

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## Overview

|                      |                              |
|----------------------|------------------------------|
| Quantity:            | 0.1 mg                       |
| Target:              | PIK3 gamma (PIK3CG)          |
| Binding Specificity: | AA 1-100                     |
| Reactivity:          | Human                        |
| Host:                | Mouse                        |
| Clonality:           | Monoclonal                   |
| Application:         | Western Blotting (WB), ELISA |

## Product Details

|               |   |
|---------------|---|
| Immunogen:    | Purified recombinant fragment of human PIK3CG (AA: 1-100) expressed in E. coli. |
| Clone:        | 4B5D2   |
| Isotype:      | IgG1  |
| Purification: | purified  |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | PIK3 gamma (PIK3CG)   |
| Alternative Name: | PIK3CG ( <a href="#">PIK3CG Products</a> )  |
| Background:       | <p>Description: 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</p> |

## Target Details

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. Several transcript variants encoding the same protein have been found for this gene.

Aliases: PI3K, PIK3, PI3CG, PI3Kgamma, p110gamma, p120-PI3K

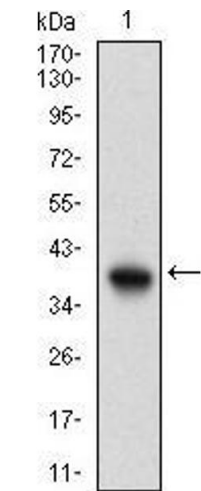
|                   |   |
|-------------------|---|
| Molecular Weight: | 126.5 kDa   |
| Gene ID:          | 5294  |
| HGNC:             | 5294  |
| Pathways:         | <a href="#">PI3K-Akt Signaling</a> , <a href="#">RTK Signaling</a> , <a href="#">AMPK Signaling</a> , <a href="#">TLR Signaling</a> , <a href="#">Inositol Metabolic Process</a> , <a href="#">Hepatitis C</a> , <a href="#">VEGF Signaling</a> |

## Application Details

|                    |                                    |
|--------------------|------------------------------------|
| Application Notes: | ELISA: 1:10000, WB: 1:500 - 1:2000 |
| Restrictions:      | For Research Use only              |

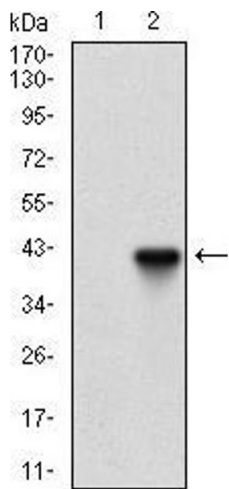
## Handling

|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Buffer:            | Purified antibody in PBS with 0.05 % sodium azide.   |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | 4 °C/-20 °C  |
| Storage Comment:   | 4°C, -20°C for long term storage   |



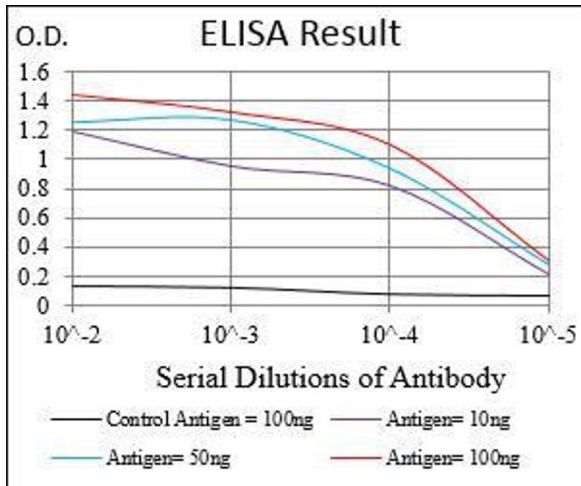
#### Western Blotting

**Image 1.** Western blot analysis using PIK3CG mAb against human PIK3CG (AA: 1-100) recombinant protein. (Expected MW is 37.5 kDa)



#### Western Blotting

**Image 2.** Western blot analysis using PIK3CG mAb against HEK293 (1) and PIK3CG (AA: 1-100)-hlgGfC transfected HEK293 (2) cell lysate.



#### ELISA

**Image 3.** Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),