

Datasheet for ABIN6988690

**anti-Phospholipase C gamma 2 antibody (AA 645-750) (PE)**[Go to Product page](#)

## Overview

|                      |                                                           |
|----------------------|-----------------------------------------------------------|
| Quantity:            | 100 µL                                                    |
| Target:              | Phospholipase C gamma 2 (PLCG2)                           |
| Binding Specificity: | AA 645-750                                                |
| Reactivity:          | Human, Rat                                                |
| Host:                | Rabbit                                                    |
| Clonality:           | Polyclonal                                                |
| Conjugate:           | This Phospholipase C gamma 2 antibody is conjugated to PE |
| Application:         | Western Blotting (WB), Flow Cytometry (FACS)              |

## Product Details

|                       |                                                                        |
|-----------------------|------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human PLCG 2/PLC gamma 2 |
| Isotype:              | IgG                                                                    |
| Specificity:          | This antibody may also recognize PLCG1 due to sequence similarity.     |
| Cross-Reactivity:     | Human, Rat                                                             |
| Predicted Reactivity: | Mouse,Dog,Cow,Pig,Horse,Rabbit                                         |
| Purification:         | Purified by Protein A.                                                 |

## Target Details

|                   |                                           |
|-------------------|-------------------------------------------|
| Target:           | Phospholipase C gamma 2 (PLCG2)           |
| Alternative Name: | PLCG 2 ( <a href="#">PLCG2 Products</a> ) |

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | <p>Synonyms: FCAS3, APLAID, PLC-IV, PLC-gamma-2, 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-2, Phosphoinositide phospholipase C-gamma-2, Phospholipase C-IV, Phospholipase C-gamma-2, PLCG2</p> <p>Background: The production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3) is mediated by activated phosphatidylinositol-specific phospholipase C enzymes. It is a crucial enzyme in transmembrane signaling.</p> |
| Gene ID:    | 5336                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| UniProt:    | <a href="#">P16885</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Pathways:   | <a href="#">RTK Signaling</a> , <a href="#">WNT Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">Inositol Metabolic Process</a> , <a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Toll-Like Receptors Cascades</a> , <a href="#">VEGF Signaling</a> , <a href="#">BCR Signaling</a>                                                                                                                                              |

## Application Details

|                    |                       |
|--------------------|-----------------------|
| Application Notes: | FCM 1:20-100          |
| Restrictions:      | For Research Use only |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % 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:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months                                                                                                          |