

Datasheet for ABIN700384

**anti-Phospholipase C gamma 2 antibody (AA 645-750) (HRP)**[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 HRP                                                                                       |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)),<br>Immunohistochemistry (Frozen Sections) (IHC (fro)) |

## 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) |
|---------|---------------------------------|

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alternative Name: | PLCG 2 ( <a href="#">PLCG2 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 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: | WB 1:300-5000<br>IHC-P 1:200-400<br>IHC-F 1:100-500 |
| 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. |
| Handling Advice:   | Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.               |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |

## Handling

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Expiry Date: 12 months