

Datasheet for ABIN744854

**anti-Phospholipase C gamma 2 antibody (pTyr759) (Cy7)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | Phospholipase C gamma 2 (PLCG2)                                                                                                |
| Binding Specificity: | pTyr759                                                                                                                        |
| Reactivity:          | Human                                                                                                                          |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | This Phospholipase C gamma 2 antibody is conjugated to Cy7                                                                     |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                                                                                  |
|-----------------------|------------------------------------------------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic phosphopeptide derived from human PLC gamma 2 around the phosphorylation site of Tyr759 |
| Isotype:              | IgG                                                                                                              |
| Cross-Reactivity:     | Human                                                                                                            |
| Predicted Reactivity: | Mouse,Rat,Dog,Cow,Pig,Horse,Rabbit                                                                               |
| Purification:         | Purified by Protein A.                                                                                           |

## Target Details

|         |                                 |
|---------|---------------------------------|
| Target: | Phospholipase C gamma 2 (PLCG2) |
|---------|---------------------------------|

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alternative Name: | PLC gamma 2 ( <a href="#">PLCG2 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Background:       | <p>Synonyms: PLC 2, PLC gamma 2, PLC IV, PLCG2, 1 phosphatidylinositol 4 5 biphosphate phosphodiesterase gamma 2, EC 3.1.4.11, Phosphoinositide phospholipase C, Phospholipase C gamma 2, Phospholipase C, gamma 2 phosphatidylinositol specic, PLCG2_HUMAN.</p> <p>Background: The protein encoded by this gene is a transmembrane signaling enzyme that catalyzes the conversion of 1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate to 1D-myo-inositol 1,4,5-trisphosphate (IP3) and diacylglycerol (DAG), using calcium as a cofactor. IP3 and DAG are second messenger molecules important for transmitting signals from growth factor receptors and immune system receptors across the cell membrane. [provided by RefSeq, Sep 2011].</p> |
| Gene ID:          | 5336                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 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: | IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| 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.                                  |

## Handling

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Expiry Date: 12 months