

Datasheet for ABIN878833

## **anti-Phospholipase C gamma 2 antibody (pTyr1217) (AbBy Fluor® 350)**



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### Overview

|                      |                                                                                                                                                       |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                                                |
| Target:              | Phospholipase C gamma 2 (PLCG2)                                                                                                                       |
| Binding Specificity: | pTyr1217                                                                                                                                              |
| Reactivity:          | Human                                                                                                                                                 |
| Host:                | Rabbit                                                                                                                                                |
| Clonality:           | Polyclonal                                                                                                                                            |
| Conjugate:           | This Phospholipase C gamma 2 antibody is conjugated to AbBy Fluor® 350                                                                                |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Flow Cytometry (FACS) |

### Product Details

|                       |                                                                                                                   |
|-----------------------|-------------------------------------------------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic phosphopeptide derived from human PLC gamma 2 around the phosphorylation site of Tyr1217 |
| Isotype:              | IgG                                                                                                               |
| Cross-Reactivity:     | Human                                                                                                             |
| Predicted Reactivity: | Mouse,Rat,Dog,Cow,Pig,Horse,Chicken,Rabbit,Guinea Pig                                                             |
| Purification:         | Purified by Protein A.                                                                                            |

### Target Details

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

## Target Details

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| Alternative Name: | PLCG2 ( <a href="#">PLCG2 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Background:       | <p>Synonyms: PLCG2phospho Y1217, PLC _2Tyr1217, PLC gamma 2/PLCG2Tyr1217, 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: Enzymes of the phospholipase C family catalyze the hydrolysis of phospholipids to yield diacylglycerols and water soluble phosphorylated derivatives of the lipid head groups. A number of these enzymes have specificity for phosphoinositides. Of the phosphoinositide specific phospholipase C enzymes, C beta is regulated by heterotrimeric G protein coupled receptors, while the closely related C gamma 1 and C gamma 2 enzymes are controlled by receptor tyrosine kinases. The C gamma 1 and C gamma 2 enzymes are composed of phospholipase domains that flank regions of homology to noncatalytic domains of the SRC oncogene product, SH2 and SH3.</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

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|--------------------|------------------------------------------------------------------------------|
| Application Notes: | FCM 1:20-100<br>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                         |

Handling

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|                  |                                                                                   |
|------------------|-----------------------------------------------------------------------------------|
|                  | 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                                                                         |