

Product datasheet

Anti-PLCG 2 (phospho Y759) antibody [PLCG2Y759-G3] ab278678

Recombinant

[5 Images](#)

Overview

Product name	Anti-PLCG 2 (phospho Y759) antibody [PLCG2Y759-G3]
Description	Rabbit monoclonal [PLCG2Y759-G3] to PLCG 2 (phospho Y759)
Host species	Rabbit
Tested applications	Suitable for: WB, Flow Cyt
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic peptide within Human PLCG 2 (phospho Y759). The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. Database link: P16885 Run BLAST with Run BLAST with
Positive control	WB: Ramos (treated with pervanadate) cell extract. Flow cyt: Jurkat and NIH/3T3 cells (both treated with pervanadate).
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production For more information see here .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.02% Sodium azide Constituents: 49.88% PBS, 50% Glycerol (glycerin, glycerine), 0.1% BSA
Purity	Protein A/G purified
Clonality	Monoclonal

Clone number PLCG2Y759-G3
Isotype IgG
Light chain type kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab278678 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.001 - 1 µg/ml. Predicted molecular weight: 148 kDa.
Flow Cyt		Use a concentration of 0.001 - 1 µg/ml.

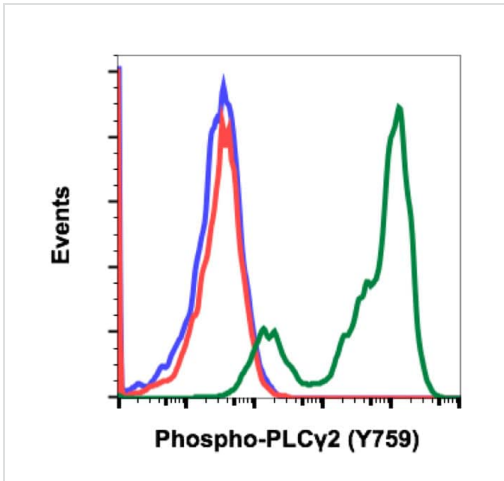
Target

Function 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.

Sequence similarities Contains 1 C2 domain.
Contains 1 PH domain.
Contains 1 PI-PLC X-box domain.
Contains 1 PI-PLC Y-box domain.
Contains 2 SH2 domains.
Contains 1 SH3 domain.

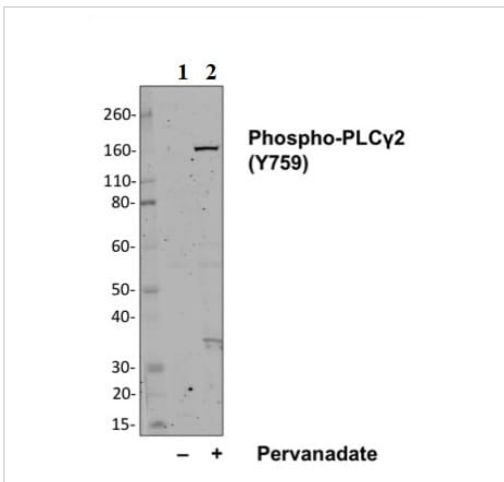
Post-translational modifications Phosphorylated on tyrosine residues; upon ligand-induced activation of a variety of growth factor receptors and immune system receptors. Increases phospholipase activity.

Images



Flow cytometric analysis of Ramos cells secondary antibody only negative control (blue) or untreated (red) or treated with pervanadate (green) using 0.01 ug/mL ab278678.

Flow Cytometry - Anti-PLCG 2 (phospho Y759) antibody [PLCG2Y759-G3] (ab278678)



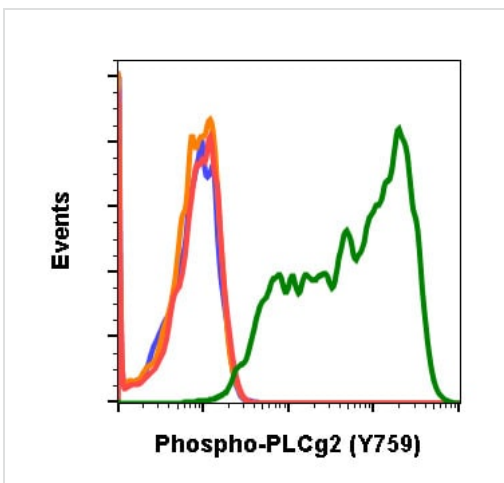
All lanes : Anti-PLCG 2 (phospho Y759) antibody [PLCG2Y759-G3] (ab278678) at 0.01 µg/ml

Lane 1 : Ramos cell extract untreated

Lane 2 : Ramos cell extract treated with pervanadate

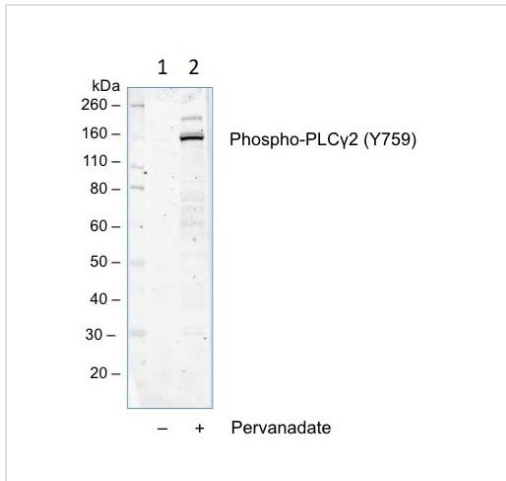
Predicted band size: 148 kDa

Western blot - Anti-PLCG 2 (phospho Y759) antibody [PLCG2Y759-G3] (ab278678)



Flow cytometric analysis of NIH3T3 cells secondary antibody only negative control (blue) or 0.1 µg/mL of isotype control (orange) or treated with imatinib (red) or with pervanadate (green) using ab278678 at 0.1 µg/mL.

Flow Cytometry - Anti-PLCG 2 (phospho Y759) antibody [PLCG2Y759-G3] (ab278678)



Western blot - Anti-PLCG 2 (phospho Y759) antibody [PLCG2Y759-G3] (ab278678)





All lanes : Anti-PLCG 2 (phospho Y759) antibody [PLCG2Y759-G3] (ab278678) at 0.01 µg/ml

Lane 1 : Ramos cell extract untreated

Lane 2 : Ramos cell extract treated with pervanadate

Predicted band size: 148 kDa

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

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Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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