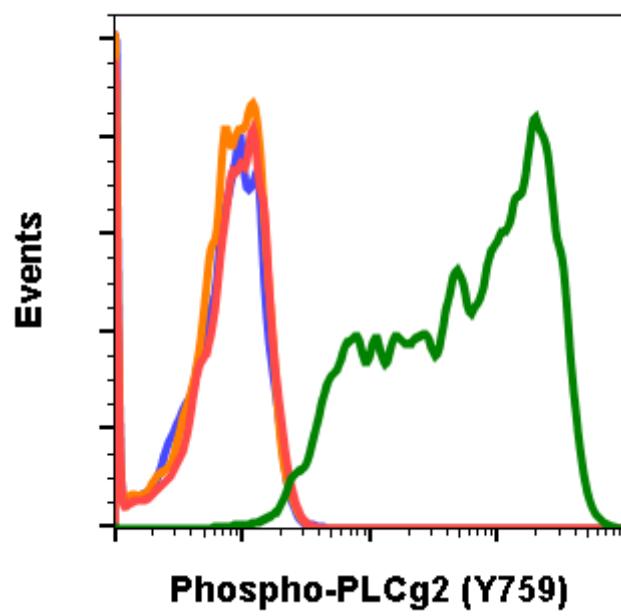
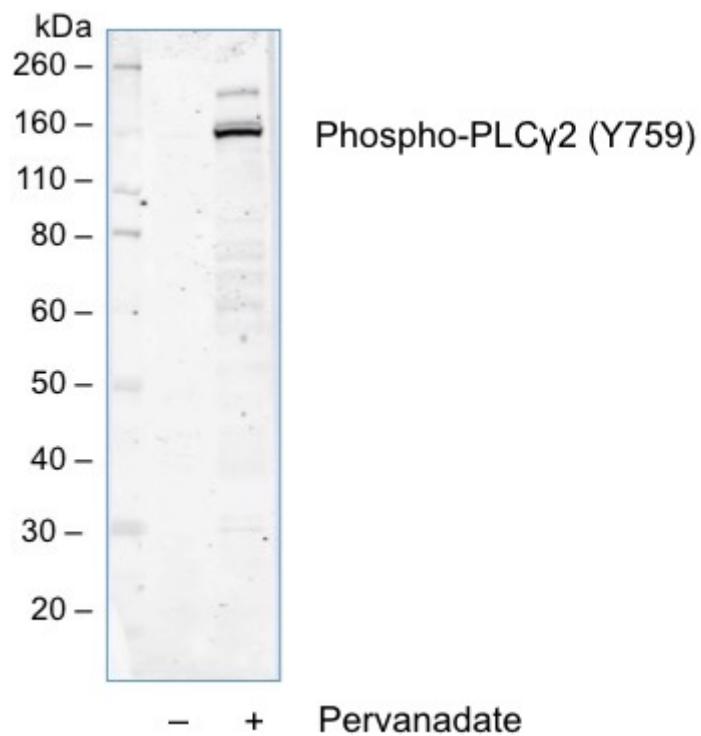
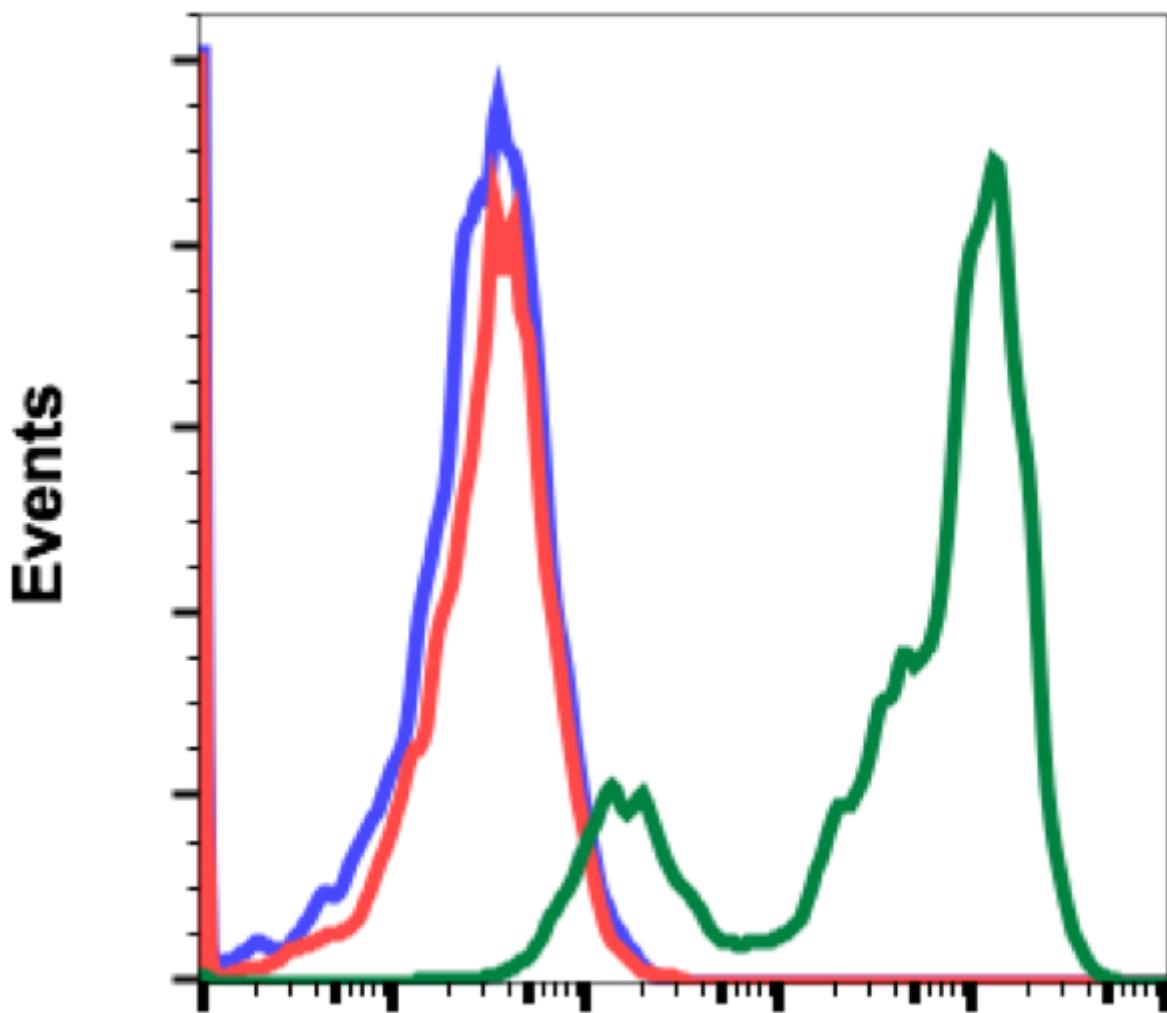


For Research Use Only. Not For Use In Diagnostic Procedures.

Applications	Detection	Clonality	Isotype
Flow Cytometry, WB	Anti-Rabbit IgG	Monoclonal	Rabbit IgGk
Format:	Unconjugated		
Cross Reactivity:	Predicted to work with mouse, rat, and other homologues.		
Formulation:	1X PBS, 0.02% NaN3, 50% Glycerol, 0.1% BSA		
Preparation:	Protein A+G		
Reactivity:	Human, Mouse		
Recommended Usage:	1 μ g/mL - 0.001 μ g/mL. It is recommended that the reagent be titrated for optimal performance for each application. See product image legends for additional information.		
Immunogen:	A synthetic phospho-peptide corresponding to residues surrounding Tyr759 of human phospho PLC γ 2.		
Description:	The PLC-gamma isoforms of the PI-PLC family of lipases are regulated by growth factor receptors and B- and T-cell antigen receptors. While PLC γ 1 is expressed ubiquitously, PLC γ 2 is predominantly expressed in liver cells. PLC γ 2 plays a dominant role in B-cell signaling. Btk directly phosphorylates PLC γ 2, though the Syk kinase and BLNK adaptor protein are required. Both Tyr753 and Tyr759 have been identified as important phosphorylation sites for PLC γ 2 activation in B-cells. PLC γ 2 missense mutations and genomic deletions have been identified autoinflammatory diseases in humans. These include gain-of-function mutations, such as S707T, that possibly introduce an additional phosphorylation site and increase basal PLC γ 2 activity.		
References:	Rodriguez R, Matsuda M, Perisic O, Bravo J, Paul A, Jones NP, Light Y, Swann K, Williams RL, and Katan M. (2001) Journal of Biological Chemistry. 276:47982-47992. Zhou Q, Lee G, Brady J et al. (2012) American Journal of Human Genetics. 4:713-720		



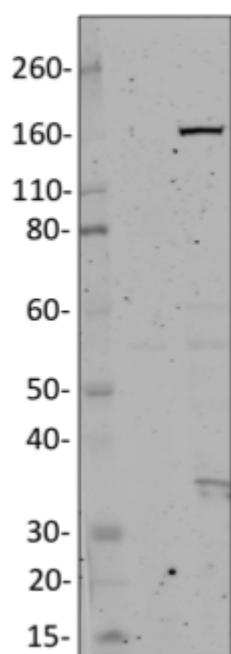


Phospho-PLC γ 2 (Y759)

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 Phospho-PLC γ 2 (Tyr759) antibody PLCG2Y759-G3. Cat. #1166.

Abwiz Cat. #1166

0.01 µg/mL



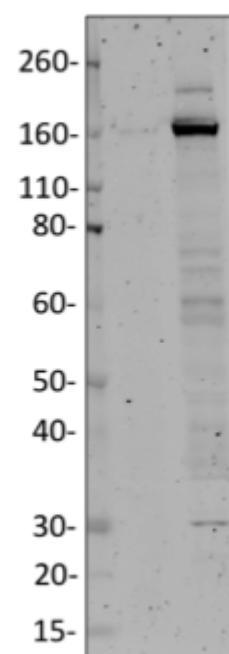
**Phospho-PLC γ 2
(Y759)**

Pervanadate

Company C

0.06 µg/mL

(recommended conc.)



Western blot analysis of Ramos cell extract untreated or treated with pervanadate using 0.01 µg/mL Phospho-PLC γ 2 (Tyr759) antibody PLC γ 2Y759-G3 Cat. #1166 or Company C antibody at 0.06 µg/mL (manufacturer's recommended concentration) developed using the same exposure.