

Product Datasheet

Phospho-PLCg2 (Tyr759) (G3) rabbit mAb FITC conjugate Antibody (orb1946338)

Catalog Number	orb1946338
Category	Antibodies
Description	<p>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 PLCg1 is expressed ubiquitously, PLCg2 is predominantly expressed in liver cells. PLCg2 plays a dominant role in B-cell signaling. Btk directly phosphorylates PLCg2, though the Syk kinase and BLNK adaptor protein are required. Both Tyr753 and Tyr759 have been identified as important phosphorylation sites for PLCg2 activation in B-cells. PLCg2 missense mutations and genomic deletions have been identified autoimmune diseases in humans. These include gain-of-function mutations, such as S707T, that possibly introduce an additional phosphorylation site and increase basal PLCg2 activity.</p>
Clonality	Monoclonal
Species/Host	Rabbit
Isotype	Rabbit IgG1k
Conjugation	FITC
Reactivity	Human, Mouse
Form/Appearance	Liquid
Buffer/Preservatives	1X PBS, 0.09% NaN ₃ , 0.2% rAlbumin
Purification	Protein A+G
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Tyr759 of human phospho PLCg2.

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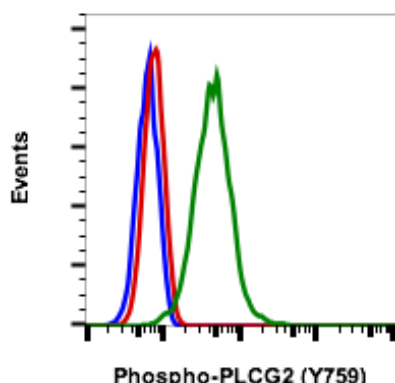
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UniProt ID	P16885
Tested applications	FC
Dilution range	For flow cytometric staining, the suggested use of this reagent is 5 μ L per million cells or 5 μ L per 100 μ L of staining volume. It is recommended that the reagent be titrated for optimal performance for each application.
Cross Reactivity	Predicted to work with mouse, rat, and other homologues.
Clone Number	PLCG2Y759-G3
Storage	2-8°C
Note	For research use only
Expiration Date	12 months from date of receipt.



Flow cytometric analysis of HeLa cells unstained cells negative control (blue) or stained and treated with imatinib (red) or treated with pervanadate (green) using Phospho-PLC γ 2 (Tyr759) FITC conjugate antibody PLCG2Y759-G3. Cat. #orb1946338.

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