abcam

Product datasheet

FITC Anti-PLCG 2 (phospho Y759) antibody [PLCG2Y759-G3] ab278540

Recombinant

2 Images

Overview

Product name	FITC Anti-PLCG 2 (phospho Y759) antibody [PLCG2Y759-G3]
Description	FITC Rabbit monoclonal [PLCG2Y759-G3] to PLCG 2 (phospho Y759)
Host species	Rabbit
Conjugation	FITC. Ex: 493nm, Em: 528nm
Tested applications	**Suitable for:** Flow Cyt
Species reactivity	**Reacts with:** 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	Flow cyt: HeLa cells treated with pervanadate.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - 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. Store In the Dark.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: 99.71% PBS, 0.2% 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 ab278540 in the following tested applications.

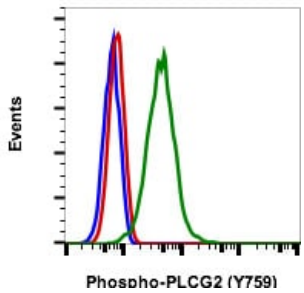
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 5µl for 10^6 cells.

Target

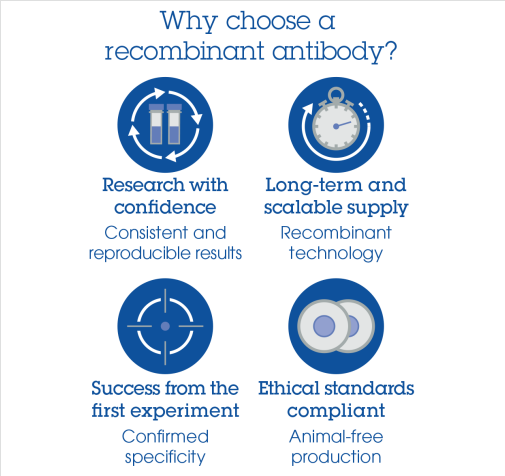
Function	The production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3) is mediated by activated phosphatidylinositol-specific phospholipase C enzymes. It is a crucial enzyme in transmembrane signaling.
Sequence similarities	Contains 1 C2 domain. Contains 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 Cytometry - FITC Anti-PLCG 2 (phospho Y759) antibody [PLCG2Y759-G3] (ab278540)

Flow cytometric analysis of Hela cells unstained cells negative control (blue) or stained and treated with imatinib (red) or treated with pervanadate (green) using ab278540.



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